



**MAHARISHI MARKANDESHWAR  
(DEEMED TO BE UNIVERSITY)  
MULLANA-AMBALA, HARYANA (INDIA) - 133207  
(Established under Section 3 of the UGC Act, 1956)  
(Accredited by NAAC with Grade 'A++')**

**INDEX**

<b>S.no</b>	<b>Minutes of meetings of various Bodies and Committees</b>	<b>Page no</b>
1	Academic Council	01-32
2	Board of Management	33-52
3	Planning and Monitoring Board	53-57
4	Finance Committee	58-60

**MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA-AMBALA**  
(Established under Section 3 of the UGC Act, 1956)  
(Accredited by NAAC with Grade 'A')

No. Acad./SAC./AC/F.13/704)  
Dated: 18-9-2021

To

All the Members of  
Academic Council,  
Maharishi Markandeshwar  
(Deemed to be University)  
Mullana-Ambala.

**Subject: Minutes of meeting of the Academic Council of Maharishi Markandeshwar  
(Deemed to be University), Mullana-Ambala.**

Sir/Madam,

The meeting of the Academic Council of this MM (DU) was held on 27-08-2021 at 11:30 A.M in the Committee Room. A copy of the Minutes of the said meeting duly approved by the Vice-Chancellor is being sent herewith for your information. Discrepancy, if any, may kindly be intimated.

Thanking you,

DA.: As above.

Yours faithfully,

  
Deputy Registrar (Acad.)  
for Registrar

**MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA-AMBALA**  
(Established under Section 3 of the UGC Act, 1956)  
(Accredited by NAAC with Grade 'A')

**MINUTES** of the meeting of **ACADEMIC COUNCIL** held on **27-08-2021** at **11:30 A.M.** in the Committee Room of the Administrative Block of the Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala.

The following were present:

1.	Dr. H.K Sharma, Pro Vice-Chancellor	...(In the Chair)
2.	Dr. L.C. Gupta, H.No.E-45, KU Campus, Kurukshetra.	
3.	Dr. Ashok Kumar, Dean, Faculty of Engg. & Tech. and Principal, MMEC	
4.	Dr. (Ms.) Bindu Jindal, Dean, Faculty of Law and HOD-Law	
5.	Dr. Sumeet Gupta, Dean Faculty of Pharmaceutical Sciences and Principal, MMCP	
6.	Dr. Virender Singh Pahil, Dean Faculty of Agriculture	
7.	Dr. N.K. Batra, HOD, Dept. Mechanical Engineering, MMEC.	
8.	Dr. Aksh Chahal, Principal, MMIP&R	
9.	Dr. Kirandeep Kaur, Principal, MMIN	
10.	Ms. Rekha Kaushik, ofg. Principal, MMICT&BM (HM)	
11.	Dr. Sandeep Goyal, HOD, Dept. of Computer Sc. & Engg., MMEC	
12.	Dr. Vanita Aggarwal, HOD, Dept. of Civil Engg., MMEC	
13.	Dr. Sharad Sharma, HOD, Dept. of Electronics & Communication Engg., MMEC	
14.	Dr. Deepak Gupta, HOD, Dept. of Mathematics & Humanities, MMEC	
15.	Dr. Vandana Sharma, HOD, Dept. of Physics, MMEC	
16.	Dr. Bhawna Pareek, HOD, Dept. of Chemistry, MMEC	
17.	Dr. Tarun Gulati, Ofg. HOD, Electrical Engg., MMEC	
18.	Dr. J.K. Sharma, Professor, Dept. of Physics, MMEC	
19.	Dr. Ajay Kumar Gupta, Professor, Dept. of Biotechnology, MMEC	
20.	Dr. Kanika, Professor, MMCN	
21.	Dr. Raman Gupta, Controller of Examinations.	
22.	Dr. Sumit Mittal, Registrar	... (Secretary)
<b>Meeting Attended in online mode</b>		
23.	Dr. Anil Jain, President, Vaiseshika Electronic Devices, 38, Industrial Estate, Ambala Cantt.	
24.	Dr. Amit Mittal, HOD, Dept. of Radio Diagnosis & Imaging, MMIMS&R	
25.	Dr. Narinder Kaur, HOD, Dept. of Microbiology, MMIMS&R	
26.	Dr. Pream Parkash Khosla, HOD, Dept. of Pharmacology, MMIMS&R	
27.	Dr. Gurman Jit Rai Maan, HOD, Dept. of Forensic Medicine, MMIMS&R	
28.	Dr. Vijay Shrawan Nijhawan, HOD, Dept. of Pathology, MMIMS&R	
29.	Dr. Manish Gupta, HOD, Dept. of ENT, MMIIMS&R	
30.	Dr. Parag Kumar, (representing HOD, Dept. of Gastroenterology, MMIMS&R)	
31.	Dr. Khana Rajesh, HOD, Dept. of Urology, MMIMS&R	
32.	Dr. Amit Chopra, HOD, Dept. of Ophthalmology, MMIMS&R	
33.	Dr. Bharat Bhushan Garg, Professor (representing HOD, Dept. of TB & Chest, MMIMS&R)	

34.	Dr. Ramesh Ram Fry, HOD, Dept. of Oral Maxill. Surgery, MMCDS&R
35.	Dr. Sandeep Garg, HOD, Dept. of Prosthodontics, MMCDS&R
36.	Dr. Sushruth Nayak, HOD, Dept. of Oral Pathology, MMCDS&R
37.	Dr. H.P. Suma Sogi, HOD, Dept. of Pedodontics, MMCDS&R
38.	Dr. Shalu Chandana, HOD, Dept. of Periodontics, MMCDS&R
39.	Dr. Amit Aggarwal, HOD, Dept. of Oral Med. & R, MMCDS&R
40.	Dr. Satish Kumar, Professor, Dept. of Mathematics, MMEC
41.	Dr. Baljeet Singh Walia, Professor, Dept. of Civil Engg., MMEC
42.	Dr. Manumeet Kaur Bhathal, Professor, Dept. of Prosthodontics, MMCDS&R
43.	Dr. Bala SVS, (representing HOD, Dept. of Radiotherapy, MMIMS&R)
44.	Dr. Anisha Behal,
45.	Dr. Parveen Kumar Gupta

1. **THE VICE-CHANCELLOR EXTENDED A HEARTY WELCOME TO ALL THE HON'BLE MEMBERS OF THE COUNCIL INCLUDING NEW MEMBERS ESPECIALLY TO DR. ANIL JAIN AND OTHER EXTERNAL MEMBERS WHO PARTICIPATED IN THE MEETING THROUGH ONLINE/OFFLINE MODE AND REQUESTED THEM TO CONTRIBUTE IN THE CONSTRUCTIVE DELIBERATIONS OF THE COUNCIL.**

2. **Considered** to confirm the Minutes of the last meeting of the Academic Council held on **31-08-2020** and follow up action taken on the decisions of the last meeting be noted.

**RESOLVED THAT THE MINUTES OF THE LAST MEETING OF THE ACADEMIC COUNCIL HELD ON 31-08-2020 BE CONFIRMED AND FOLLOW UP ACTION TAKEN ON THE DECISIONS OF THE LAST MEETING BE NOTED EXCEPT ITEM NO 5(ii) WHICH NEEDS TO BE REVIEWED AND ACTION TAKEN REPORT TO BE PLACED BEFORE THE NEXT MEETING OF THE ACADEMIC COUNCIL.**

3. **Considered** the action taken by the Vice-Chancellor in anticipation of approval of the Academic Council in accepting the request of Ms. Rimple, a student of M.Sc. Chemistry, Roll No. 11177848 of batch 2017-19 for allowing her **re-admission to 3<sup>rd</sup> Semester of the** said course subject to passing the whole course within normal period of two years with two years extension i.e. upto 2020-21 as per UGC guidelines in relaxation of Clause 9 of the Ordinance for M.Sc. Chemistry.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

4. **Considered** the amendments/additions to **Clause 3.1** of the Ordinance for **Doctorate of Philosophy (Ph.D)** other than Medical, Dental and Nursing Faculties, w.e.f the Academic Session 2020-21, as under:-

<b>Existing</b>	<b>Proposed</b>
<p>3.1 A candidate for admission to the Ph.D programme must have obtained any of the following academic qualifications in the discipline of research or a subject allied thereto (the alliance to be decided by the Academic Council on the recommendations of the respective Board of Studies) at the Master's degree level (M.Tech/M.E., MBA, MCA, M.A, M.Sc., etc. other than M.Phil) from a recognized University:</p> <p>5.1 The University shall admit Ph.D. students through an Entrance Test conducted at the level of the University. The candidates who have already qualified M.Phil comprising course work after seeking admission through Entrance Test or have qualified UGC-CSIR NET (including JRF)/SLET/GATE or those who have been awarded Teacher Fellowship by the UGC or any other Regulating Councils for carrying on research leading to the Ph.D. Programme shall be exempted from appearing in the Entrance Test.</p>	<p>3.1 A candidate for admission to the Ph.D programme must have obtained any of the following academic qualifications in the discipline of research or a subject allied thereto (the alliance to be decided by the Academic Council on the recommendations of the respective Board of Studies) at the Master's degree level (M.Tech/M.E., MBA, MCA, M.A, M.Sc., <b>M.Sc. Agriculture and LLM</b> etc. other than M.Phil) from a recognized University:</p> <p>5.1 Ph.D. students shall be admitted through an Entrance Test conducted at the level of the <b>MM (Deemed to be University)</b>. The candidates who have already qualified M.Phil comprising course work after seeking admission through Entrance Test or have qualified UGC-CSIR NET (including JRF)/SLET/GATE or <b>NET from Agricultural Scientists Recruitment Board</b> for admission to Ph.D in Agriculture or those who have been awarded Teacher Fellowship by the UGC or any other Regulating Councils for carrying on research leading to the Ph.D. Programme shall be exempted from appearing in the Entrance Test.</p> <p>Note:(*MM (DU) will replace the word “<b>University</b>” in the Ordinance)</p>

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

5. Considered the action taken by the Vice-Chancellor under clause 10.12.2.5(IV) of the MOA of the MM (DU) in creating the Department of Agriculture under the Faculty of Agriculture.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

6. **Considered** the action taken by the Vice-Chancellor for revised intake as mentioned against the following courses in 2016-17, as under:-

<b>Sr. No.</b>	<b>Name of Course</b>	<b>Intake as approved by concerned body</b>	<b>Revised Intake to be fixed from 2016-17</b>
1.	<b>MM Engg. College</b>		
	B.Tech	780	540
2.	<b>MM Institute of Management</b>		
	B.Sc. Agri. Buss. & Management	120	60
3.	<b>MM Institute of Computer Technology &amp; Business Mgt. (Hotel Mgt.)</b>		
	BHM&CT	60	40
4.	<b>MM Institute of Medical Sciences &amp; Research</b>		
	B.Sc. Medical	290	250

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

7. **Considered** the amendments/additions in the Regulations for Constitution and Functioning of the Faculties in various disciplines of the MM (DU) by inserting a new Faculty of Agriculture and the Department of Agriculture to be made effective from the Academic Session 2020-21, as per **Annexure - I, Pages: 1-2.**

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

8. **Considered** the minutes of the meeting of Equivalence Committee held on 21.10.2020 regarding equivalence of educational qualifications as per **Annexure - II, Pages: 3-4.**

**RESOLVED THAT MINUTES OF MEETING OF EQUIVALENCE COMMITTEE HELD ON 21-10-2020 BE REFERRED BACK TO THE EQUIVALENCE COMMITTEE FOR CREATING THE ONE MORE COLUMN INDICATING THE PROGRAMME TO WHICH THE PASSED COURSE IS EQUIVALENT TO.**

9. **Considered** the amendments/additions to Clause 9.1 of the Common Ordinance for Doctorate of Philosophy (Ph.D) programme (Medical, Dental & Nursing streams), as per **Annexure - III, Pages: 05.** +

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

10. **Considered** the recommendations of Ad-Hoc Committee in Agriculture made in its meeting held on 10-11-2020 in prescribing Syllabi/Scheme of Examination of the following courses as per **Annexure - IV, Pages : 06-07,** as under:-

<b>Ad-Hoc Committee Res. No.</b>	<b>Department</b>	<b>Date of meeting</b>	<b>Brief Contents</b>
2020/BOS Agri./1.2	Agriculture	10-11-2020	1. Syllabi/Scheme of Examination of B.Sc. (Hons) Agriculture for 1 <sup>st</sup> & 2 <sup>nd</sup> Semester for batch 2020-21. ( <b>Annexure - IV, Pages: 06-07</b> )
2020/BOS Agri./1.3	-do-	-do-	1. Syllabi/Scheme of Examination of M.Sc. Agronomy for 1 <sup>st</sup> & 2 <sup>nd</sup> Semester for batch 2020-21. ( <b>Annexure - IV, Pages: 06-07</b> )
2020/BOS Agri./1.4	-do-	-do-	1. Syllabi/Scheme of Examination of M.Sc. Entomology for 1 <sup>st</sup> & 2 <sup>nd</sup> semester for batch 2020-21. ( <b>Annexure - IV, Pages: 06-07</b> )

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

11. **Considered** the recommendations of the respective Board of Studies /IEC regarding approval of topics and appointment of Supervisor(s) of the following Research Scholars of different Departments/Institutes as indicated against each:-

Sr. No.	Name of the Research Scholar	Department/ Institute	Topic	Name of Supervisor/ Co-Supervisor	Date of Approval of BOS/IEC
1.	JASLEEN KAUR	Management	STRESS MANAGEMENT IN BANK EMPLOYEES: A COMPARATIVE STUDY OF PUBLIC SECTOR AND PRIVATE SECTOR BANKS IN HARYANA	Dr. Meenu Gupta	23.12.2020
2.	DEEPAK JAKHAR	--do--	A STUDY ON TALENT MANAGEMENT PRACTICES IN SELETED DISTRICT CENTRAL CO-OPERATIVE BANKS IN HARYANA	Dr. Kavita Rani	23.12.2020
3.	AJIT SINGH	--do--	Financial Literacy Among The Customer of Public Sector Banks and Private Sector Banks-A Comparative Study	Dr. Nitin Thapar	23.12.2020
4	SANYA DAWER	--do--	IMPACT OF BEHVIORAL BIAS ON THE INVESTMENT DESCISION MAKING OF AN INDIVIDUAL WITH REFERENCE TO INDIAN STOCK MARKET	Dr. Nitin Thapar	23.12.2020
5	DEEPAK SAROHA	--do--	INFLUENCE OF FINANCIAL PARAMETERS ON STOCK PRICES AND RESULTS ANNOUNCEMENT ON STOCK PRICE VOLATILITY OF BANKING SECTOR AND REAL ESTATE SECTOR: A COMPARATIVE STUDY	Dr. Nitin Thapar	23.12.2020
6	AKANSHA CHAUHAN	--do--	AN ANALYSIS OF SOCIO ECONOMIC IMPACT ON WOMEN EMPOWERMENT THROUGH GOVERNMENT SCHEMES UNDER FINANCIAL INCLUSION WITH REFERENCE TO HARYANA REGION	Dr. Suman Gulia	23.12.2020
7	SACHIN SUDAN	--do--	BRAND BUILDING STRATEGIES USED BY INDIAN AUTOMOBILE COMPANIES - A COMPARATIVE STUDY WITH SPECIAL REFERENCE TO SPORTS UTILITY VEHICLES	Dr. Ranjeet Verma	23.12.2020



8	PANKAJ ARORA	--do--	A Study on Social Media Marketing and its Impact on the Higher Education Students in the Selected Districts of Haryana	Dr. Rahul Hakhu	23.12.2020
9	DINESH SETH	--do--	AN EMPIRICAL INVESTIGATION ON ROLE OF ARTIFICIAL INTELLIGENCE (AI) IN INDIAN PRIVATE BANKS	Dr. Meenu Gupta	23.12.2020
10	SACHIN MAHENDRU	--do--	BUYING MOTIVES OF CUSTOMERS WITH REFERENCE TO SELECTED E-COMMERCE COMPANIES OPERATING IN INDIA	Dr. Ranjeet Verma	23.12.2020
11	NIDHI GEHLAWAT	--do--	BALANCE BETWEEN WORKING LIFE AND PERSONAL LIFE: A STUDY OF WORKING WOMEN IN SELECTED COLLEGES OF HARYANA	Dr. Kavita Rani	23.12.2020
12	GAURAV BHAMBRI	--do--	AN ANALYTICAL SCANNING OF CONSEQUENCES & GROUNDS OF RISING IN IMPORT INSTEAD OF EXPORT OF TEXTILE PRODUCTS & FABRICS IN HARYANA	Dr. Kavita Rani	23.12.2020
13	MONIKA PATHAK	--do--	A Study on Digital Marketing and its Impact on Buying Behaviour Practices of Medical Professionals in the Selected Districts of Haryana	Dr. Rahul Hakhu	23.12.2020
14	POONAM RAJORA	--do--	AN ANALYSIS OF STATE GOVERNMENT FINANCE SCHEMES ON STARTUPS: A STUDY FOR ENTREPRENEURIAL DEVELOPMENT WITH SPECIAL REFERENCE TO HARYANA REGION	Dr.Suman Gulia	23.12.2020
15	SAKSHI GARG	--do--	An Analytical study of working capital management influence on performance & Profitability of steel Industries with special reference to Haryana Region	Dr.Suman Gulia	23.12.2020
16	ANUJ MANGLA	--do--	DEVELOPMENT OF A MODEL FOR HUMAN RESOURCE ANALYTICS (HRA) FOR HIGHER EDUCATION SECTOR IN THE SELECTED DISTRICTS OF HARYANA	Dr. Ranjeet Verma	23.12.2020

17	RITU AGGARWAL	Computer Sc. & Engg.	Meticulous Presaging of Heart Disease using Machine Learning	Dr. Suneet Kumar	11.01.2021
18	VINEETA	--do--	Efficient Prediction Model for Chronic Kidney Disease Diagnosis Using Machine Learning Techniques	Dr. Neeraj Raheja	11.01.2021
19	SANTOSH KUMAR	--do--	Machine Learning and Swarm Intelligence based trust architecture for reputation management in Social Cloud	Dr. Sandip Kumar Goyal	11.01.2021
20	GAURI SOOD	--do--	Performance Enhancement of Healthcare Based Recommendation System by Using Deep Learning Techniques	Dr. Neeraj Raheja	11.01.2021
21	VIMAL GAUR	--do--	Detection of DDoS Attacks on IoT Devices using Machine Learning Techniques	Dr. Rajneesh Kumar	11.01.2021
22	BHAWNA SHARMA	--do--	An Efficient Key Management Protocol for Security Provisioning in Multicast Routing Protocol over Mobile Adhoc Networks (MANETs)	Dr. Rohit Vaid	11.01.2021
23	ANUP LAL YADAV	--do--	An IoT based Collision Avoidance mechanism for smart vehicle to vehicle communication	Dr. Sandip Kumar Goyal	11.01.2021
24	RUPALI	--do--	QoS aware Secure Platform for Workflow Scheduling under Workflow- as-a- Service in Cloud Computing	Dr. Neeraj Mangla	11.01.2021
25	KUSHAGRA	--do--	An Efficient Lung Disease Diagnosis Model Using Machine Learning Techniques	Dr. Rajneesh Kumar	11.01.2021
26	PREETI SINGLA	--do--	Energy Efficient Non-orthogonal Multiple Access Computing Techniques in 5G	Dr. Neera Batra <b>Co-Supervisor</b> Dr. Neeraj Kumar, Professor, CSE Deptt.. Thapar Institute of Engineering & Tech., Patiala	11.01.2021
27	RUBIKA WALIA	--do--	A Security Aware Framework for Cloud Integrated Internet of Things	Dr. Prachi Garg	11.01.2021
28	SUMIT KUMAR	Computer Sc. & Engg.	Optimized Range-Free Localization in Wireless Sensor Networks	Dr. Neera Batra	11.01.2021
29	HIMANSHU	--do--	Soft Security based Resource Scheduling for Cloud Computing Environment	Dr. Neeraj Mangla	11.01.2021

30	AJAY JANGRA	--do--	An Efficient Hybrid Technique of Load Balancing in Cloud Computing Environment	Dr. Neeraj Mangla	11.01.2021
31	Anil Kamboj	Pharmacy	Pharmacological Evaluation of Curcuma amada and Citrullus colocynthis Extract in Rheumatoid Arthritis	Dr. Randhir Singh Dahiya	29.06.2020 IEC 09.12.2020
32	ASHWANI SHARMA	Mechanical Engg.	Synergy of Lean Six Sigma and Industry 4.0 Tools to bring Quality Excellence in Indian Textile Industry	Dr. Bikram Jit Singh	10.02.2021

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

12. **Considered** the action taken by the Vice-Chancellor under rules 10.12.2.5(iv) of MoA in anticipation of approval of Academic Council to introduce Ph.D programme in Law w.e.f the Academic Session 2020-21.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

13. **Considered** the action taken by the Vice-Chancellor in anticipation of approval of Academic Council in approving that Dr. Aksh Chahal, Professor in Physiotherapy shall act as Chairman of the Research Advisory Committee (RAC) of MM Institute of Physiotherapy and Rehabilitation.

**RESOLVED THAT THE ACTION TAKEN BY THE VICE-CHANCELLOR BE APPROVED AS ABOVE.**

14. **Considered** the action taken by the Vice-Chancellor in approving the revised intake for the following courses in 2017-18, as mentioned against:-

Sr. No.	Name of Course	Intake as approved by concerned body	Revised Intake to be fixed from 2017-18
1.	<b>MM Engg. College</b>		
	B.Tech	600	540
2.	<b>MM Institute of Management</b>		
	B.Sc. Agri. Buss. & Management	120	60
3.	<b>MM Institute of Computer Technology &amp; Business Mgt. (Hotel Mgt.)</b>		
	BHM&CT	60	40
4.	<b>MM Institute of Medical Sciences &amp; Research</b>		
	B.Sc. Medical	340	250
	M.Sc. Medical	50	30
5.	<b>MM Institute of Computer Technology &amp; Business Mgt. (MCA)</b>		
	MCA	60	30

**RESOLVED THAT THE ACTION TAKEN BY THE VICE-CHANCELLOR BE APPROVED AS ABOVE AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

15. **Considered** the action taken by the Vice-Chancellor under Rule 10.12.2.5(iv) of MOA in approving the introduction of the following Under-graduate/Post-graduate courses in the Department of Agriculture under Faculty of Agriculture with intake capacity as per approval accorded by the UGC vide its letter No. F-1-3/2018 (CPP-I/DU) dated 18<sup>th</sup> September 2020 (**Annexure - VI Pages: 09**), w.e.f the Academic Session 2020-21:

Sr. No.	Course	Intake Capacity
1.	B.Sc. (Hons) Agriculture	180
2.	B.Sc. (Hons) Agriculture Integrated	60
3.	M.Sc. (Agronomy)	30
4.	M.Sc. (Entomology)	30
5.	Ph.D Agronomy	As per UGC norms

**RESOLVED THAT THE ACTION TAKEN BY THE VICE-CHANCELLOR BE APPROVED AS ABOVE AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

16. **Considered** the action taken by the Vice-Chancellor in anticipation of approval of the Academic Council/Board of Management in approving the following Prospectus/Information Brochures of the Maharishi Markandeshwar (Deemed to be University) Mullana-Ambala for the Session **2019-20**:

1. **Prospectus - (For Under Graduate/Post Graduate courses)**
2. **M.Sc. Nursing.**

The Prospectus/Information Brochures will be placed on the table.

**RESOLVED THAT THE ACTION TAKEN BY THE VICE-CHANCELLOR BE APPROVED AS ABOVE AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

17. **Considered** the action taken by the Vice-Chancellor in anticipation of approval of the Academic Council/Board of Management in approving the following Prospectus/Information Brochures of the Maharishi Markandeshwar (Deemed to be University) Mullana-Ambala for the Session **2020-21**:

1. **Prospectus - (For Under Graduate/Post Graduate courses)**
2. **M.Sc. Nursing.**

**RESOLVED THAT THE ACTION TAKEN BY THE VICE-CHANCELLOR BE APPROVED AS ABOVE AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

18. **Considered** the recommendations of the Faculty of Nursing made in its meeting held on 25-11-2020 (**Annexure- VII, Pages: 10-12**), as under:-

<b>Faculty Res. No.</b>	<b>BOS Res. No. Dated 29-6-2020</b>	<b>Contents</b>
<b>01</b>	<b>02</b>	The Syllabus of B.Sc. Nursing, Post Basic Nursing & M.Sc. Nursing for the academic Session 2020-21 will be the same as that of the Syllabus of 2019-20.
<b>02</b>	<b>04</b>	Value added Course on HIV/AIDS & Art Training (35 hours), Life Skills (30 hours) for B.Sc., Post Basic B.Sc. Nursing & M.Sc. Nursing programme and Art of Dining and Cooking (30 hours) for B.Sc. Nursing Programme for the Academic Session 2020-21.

**RESOLVED THAT THE RECOMMENDATIONS OF THE FACULTY OF NURSING BE APPROVED AS ABOVE.**

19. **Considered** the recommendations of the Faculty of Dental Sciences made in its meeting held on 07-01-2021 in approving the Syllabi and Schemes of Examinations of various courses in Dental Sciences as per **Annexure - VIII, Pages:13-15** , as under:

Faculty Res. No.	Brief Contents
2	<p><b>(Board of Studies in Dental Sciences Res. No. 2 dated 05-01-2021)</b></p> <ul style="list-style-type: none"> <li>● Syllabus &amp; Scheme of Examination for BDS 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> year courses for the Session 2021-22 may be continued as per DCI Regulations.</li> </ul> <p><b>(Board of Studies in Dental Sciences Res. No. 3 dated 05-01-2021)</b></p> <ul style="list-style-type: none"> <li>● Syllabus &amp; Scheme of Examinations for MDS courses for the Session 2021-22 may be continued as per Dental Council of India notifications 26<sup>th</sup> August, 2019.</li> </ul> <p><b>(Board of Studies in Dental Sciences Res. No. 4 dated 05-01-2021)</b></p> <ul style="list-style-type: none"> <li>● Syllabus for Ph.D Course Work elective Subjects in Paediatric &amp; Preventive Dentistry; Prosthodontics including Crown &amp; Bridge; Conservative Dentistry &amp; Endodontics (MP-05) as per <b><u>Annexure - IX, Pages:16-20.</u></b></li> </ul> <p><b>(Board of Studies in Dental Sciences Res. No. 5 dated 05-01-2021)</b></p> <ul style="list-style-type: none"> <li>● Syllabus for Ph.D elective subject in ‘Public Health Dentistry’ may be continued for the session 2021-22.</li> </ul> <p><b>(Board of Studies in Dental Sciences Res. No. 6 dated 05-01-2021)</b></p> <ul style="list-style-type: none"> <li>● Syllabus &amp; Ordinance for Diploma in Dental Hygienist course for the session 2021-22 may be continued as per DCI Regulations.</li> </ul>

**RESOLVED THAT THE RECOMMENDATIONS OF THE FACULTY OF DENTAL SCIENCES BE APPROVED AS ABOVE.**

20. **Considered** the following guidelines received from MHRD/UGC/AICTE/INC and other Regulatory Councils in view of COVID-19 Pandemic.

<b>Sr. No.</b>	<b>Brief contents of the guidelines</b>	<b>Date of Issue</b>	<b>Remarks</b>
1.	UGC Guidelines on Examinations and Academic Calendar of the Universities in view of COVID-19 Pandemic and subsequent Lockdown.	29 <sup>th</sup> April, 2020	Annexure – 1
2.	Regarding examination/re-appear of students in universities and Colleges issued by the Principal Secretary to Government of Haryana, Chandigarh.	2 <sup>nd</sup> July, 2020	Annexure - 2
3.	Revised Academic Calendar of AICTE 2020-21.	6 <sup>th</sup> July, 2020	Annexure – 3
4.	UGC Revised Guidelines on Examination and Academic Calendar for the Universities in view of COVID-19 Pandemic.	6 <sup>th</sup> July, 2020	Annexure – 4
5.	Standard Operating Procedure (SOP) for conduct of Examination issued by UGC.	8 <sup>th</sup> July, 2020	Annexure – 5
6.	INC circular dated 10 July, 2020 regarding Addendum to INC Guidelines on Academics and Examination during COVID-19 pandemic.	10 <sup>th</sup> July 2020	Annexure - 6
7.	Revised Academic Calendar for the Academic year 2020-21 issued by AICTE.	13 <sup>th</sup> Aug., 2020	Annexure - 7
8.	UGC letter dated 31-08-2020 regarding provisional admission and submission of documents of qualifying examination upto 30-09-2020.	31 <sup>st</sup> Aug., 2020	Annexure - 8
9.	Order dated 31-08-2020 regarding clarification re-appear examinations in Universities and Colleges issues by Higher Education and Technical Education Dept. Haryana.	31 <sup>st</sup> Aug., 2020	Annexure - 9
10.	AICTE Circular to all Technical Institutes, Deemed to be Universities and Universities conducting Technical courses approved by AICTE.	1 <sup>st</sup> Sept., 2020	Annexure – 10
11.	UGC Guidelines on Academic Calendar for the First year of UG and PG students of the Universities for the session 2020-21 in view of COVID-19 Pandemic.	22 <sup>nd</sup> Sept., 2020	Annexure - 11
12.	Letter dated 22-09-2020 from the Director General, Higher Education, Haryana, Panchkula regarding UGC	29 <sup>th</sup> Sept., 2020	Annexure - 12

	revised Guidelines on examinations and Academic Calendar for the Universities in view of COVID-19 pandemic.		
13.	SOP for opening of Universities and Colleges for students issued by Director General Higher Education Haryana	20 <sup>th</sup> Oct., 2020 2 <sup>nd</sup> Nov., 2020	Annexure – 13
14.	Advisory for Re-opening the Medical Colleges issued by National Medical Commission.	5 <sup>th</sup> Nov., 2020	Annexure – 14
15.	UGC D.O. Letter No. 14-8/2020 (CP-II) dated 5 <sup>th</sup> Nov. 2020 regarding UGC guidelines for Re-opening the Universities and Colleges Post Lockdown due to COVID-19 Pandemic.	5 <sup>th</sup> Nov. 2020	Annexure – 15
16.	Extension of date for submission of thesis for terminal M.Phil/Ph.D students issued by UGC.	3 <sup>rd</sup> Dec., 2020	Annexure – 16
17.	Revised Academic Calendar for the Academic year 2020-21 regarding last date for admission to Engg. courses issued by AICTE.	3 <sup>rd</sup> Dec., 2020	Annexure – 17
18.	Dental Council of India Gazette of India dated 6 <sup>th</sup> Dec., 2020 regarding modification in Time Schedule for commencement of admission process for 1 <sup>st</sup> year BDS course for the academic year 2020-21 only.	10 <sup>th</sup> Dec. 2020	Annexure – 18
19.	UGC guidelines in respect of refund of fee in accordance with the UGC Guidelines in Academic Calendar for the 1 <sup>st</sup> year of UG and PG students of Universities for the session 2020-21 in view of COVID-19 Pandemic.	17 <sup>th</sup> Dec. 2020	Annexure – 19
20.	Indian Nursing Council regarding extension of Last date of Admission for all the Nursing programmes i.e. B.Sc. (Nursing), P.B. B.Sc. (Nursing) & M.Sc. (Nursing) from 31 <sup>st</sup> Dec., 2020 to 31 <sup>st</sup> Jan. 2021.	24 <sup>th</sup> Dec. 2020	Annexure – 20
21.	Dental Council of India guidelines/advisories and SOPs in pursuance of the directions of the Govt. of India, Ministry of Health and Family Welfare, New Delhi regarding Re-opening of Dental Colleges Post Lockdown due to COVID-19 Pandemic.	30 <sup>th</sup> Dec. 2020	Annexure – 21
22.	UGC Guidelines for Re-opening the Universities/Colleges Post Lockdown due to COVID-19 Pandemic.	5 <sup>th</sup> Feb., 2021	Annexure – 22



23.	SOPs/Guidelines regarding social academic/spots entertainment/Cultured/religions/political functions and other Congregation issued by the State Disaster Management Authority, Haryana, Chandigarh.	06 <sup>th</sup> Feb., 2021	Annexure - 23
24.	Extension of date for submission of thesis by terminal M.Phil/Ph.D students submit by UGC on 16-03-2021.	16 <sup>th</sup> March, 2021	Annexure - 24
25.	SOP regarding Closing of Colleges issued by Directorate of Medical Education & Research, issuing.	26 <sup>th</sup> April, 2021	Annexure – 25.
26.	AICTE instruction of Institutes/Colleges during Lockdown/ ongoing pandemic COVID – 19.	5 <sup>th</sup> May, 2021	Annexure - 26
27.	Guidelines for conduct of classes/Examination/Internship of Pharm.D students/Practical Training in the prevailing situation of second wave of COVID-19 issued by Pharmacy Council of India.	6 <sup>th</sup> May, 2021	Annexure - 27
28.	Academic Calendar for 2021-22 issued by AICTE.	12 <sup>th</sup> July, 2021	Annexures - 28
29.	UGC Guidelines on Examination and Academic Calendar in view of the COVID-19 Pandemic – July 2021.	16 <sup>th</sup> July 2021	Annexure - 29
30.	Letter dated 29-06-2021 from the Principal Secretary to Govt. of Haryana, Higher Education Department, Haryana dated 29-06-2021 regarding opening of Universities.	29 <sup>th</sup> July, 2021	Annexure -30

**RESOLVED THAT THE ABOVE GUIDELINES BE NOTED FOR IMPLEMENTATION AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

21. **Considered** the recommendations of the Faculty of Medical Sciences made in its meeting held on 01-10-2020 in approving the revised Syllabi/Schemes of Examinations of various Postgraduate/Undergraduate courses under the same Faculty, as per **Annexure - X, Pages: 21-22**, as under:

Faculty Res. No.	Brief Contents																																						
2	<p><b>(PG Board of Studies in Medical Sciences Res. No. 3 dated 30-09-2020).</b></p> <p><b>1. Revised Ordinances-cum-Syllabi/Scheme of Examinations for the following existing courses:</b></p> <ol style="list-style-type: none"> <li>1. Master of Science Medical (Anatomy, Biochemistry, Microbiology, Pharmacology, Physiology) – 3 years</li> <li>2. Master of Science (Medical Lab. Technology) in the specialties of – (a) Biochemistry, (b) Microbiology, (c) Pathology – 2 years</li> <li>3. Master of Science (Operation Theatre Technology (OTT) – 2 years</li> <li>4. Master of Optometry (M.Optom.) – 2 years</li> <li>5. Master of Science (Radio Imaging Technology) – 2 years</li> </ol>																																						
3	<p><b>(Board of Studies in Physiotherapy Res. No. 1 dated 28-08-2020)</b></p> <p>Introduction of Semester System and revised Syllabi/Scheme of Examination for Bachelor of Physiotherapy (BPT) from 1<sup>st</sup> to 8<sup>th</sup> Semester w.e.f. the Academic Session 2020-21.</p> <p><b>(Board of Studies in Physiotherapy Res. No. 2 dated 28-08-2020)</b></p> <p>Introduction of Choice Based Credit System (CBCS) in Bachelor of Physiotherapy, w.e.f. the Academic session 2020-21.</p> <p><b>(Board of Studies in Physiotherapy Res. No. 3 dated 28-08-2020)</b></p> <ol style="list-style-type: none"> <li>(a) Revision in the Paper MC-102 (Common to all Specializations of MPT) ‘Biomechanics and Kinesiology of 1<sup>st</sup> Semester of MPT courses (w.e.f. 2020-21)</li> <li>(b) Revision in Paper MS-204 ‘Physiotherapy Management in Sports Injuries –II of 2<sup>nd</sup> semester of Masters in Sports Physiotherapy of MPT course (w.e.f. 2020-21)</li> <li>(c) Revision in Paper MCP-204 ‘Physiotherapy Management in Cardio Pulmonary Disorders-II of 2<sup>nd</sup> Semester of Masters in Cardio Pulmonary Physiotherapy of MPT course (w.e.f. 2020-21)</li> <li>(d) Major Revision in the Syllabi of Master in Musculoskeletal Physiotherapy of MPT course (w.e.f. 2020-21)</li> </ol> <p><b>(Board of Studies in Physiotherapy Res. No. 4 dated 28-08-2020)</b></p> <p>The distribution of Marking Scheme in the subjects – General Medicine, Eye and ENT (Paper Code – B-301) of BPT 3<sup>rd</sup> year, as under.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 20%;">Subject/Paper</th> <th rowspan="2" style="width: 10%;">Code</th> <th colspan="2" style="width: 20%;">Theory Examination</th> <th colspan="2" style="width: 20%;">Practical Examination</th> <th rowspan="2" style="width: 15%;">Duration of Univ. Exam.</th> <th rowspan="2" style="width: 10%;">Total Marks</th> </tr> <tr> <th style="width: 10%;">Int.</th> <th style="width: 10%;">Uni.</th> <th style="width: 10%;">Int.</th> <th style="width: 10%;">Uni.</th> </tr> </thead> <tbody> <tr> <td colspan="8"><b>BPT III Year</b></td> </tr> <tr> <td>Gen. Medicine</td> <td rowspan="3" style="text-align: center;">B301</td> <td style="text-align: center;">10</td> <td style="text-align: center;">60</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td rowspan="3" style="text-align: center;">3 Hrs.</td> <td rowspan="3" style="text-align: center;">100</td> </tr> <tr> <td>ENT</td> <td style="text-align: center;">05</td> <td style="text-align: center;">20</td> <td></td> <td></td> </tr> <tr> <td>EYE</td> <td style="text-align: center;">05</td> <td style="text-align: center;">20</td> <td></td> <td></td> </tr> </tbody> </table> <p><b>(Board of Studies in Physiotherapy Res. No. 5 dated 28-08-2020)</b></p> <p>The Syllabus for Value Added Subject entitled “Skill Development in Foot Orthosis” and its evaluation process.</p>	Subject/Paper	Code	Theory Examination		Practical Examination		Duration of Univ. Exam.	Total Marks	Int.	Uni.	Int.	Uni.	<b>BPT III Year</b>								Gen. Medicine	B301	10	60	-	-	3 Hrs.	100	ENT	05	20			EYE	05	20		
Subject/Paper	Code			Theory Examination		Practical Examination				Duration of Univ. Exam.	Total Marks																												
		Int.	Uni.	Int.	Uni.																																		
<b>BPT III Year</b>																																							
Gen. Medicine	B301	10	60	-	-	3 Hrs.	100																																
ENT		05	20																																				
EYE		05	20																																				

	<p><b>(Board of Studies in Physiotherapy Res. No. 6 dated 28-08-2020)</b></p> <p>The Syllabus for Ph.D course work elective subjects in Physiotherapy:-</p> <p>MP-05 (A) Innovative Practice In Physiotherapy (Musculoskeletal)</p> <p>MP-05 (B) Innovative Practice in Physiotherapy (Neurology)</p> <p>MP-05 (C) Innovative Practice in Physiotherapy (Sports)</p> <p>MP-05 (D) Innovative Practice in Physiotherapy (Pediatric)</p> <p>MP-05 (E) Innovative Practice in Physiotherapy (Cardiopulmonary)</p> <p><b>(Board of Studies in Physiotherapy Res. No. 10 dated 28-08-2020)</b></p> <p>Modifications in the existing Scheme of Examination of Bachelor of Physiotherapy 3<sup>rd</sup> year.</p> <p><b>4 (UG Board of Studies in Medical Sciences Res. No. 3 dated 30-09-2020).</b></p> <p>Revised Ordinance-cum-Syllabi of the following Undergraduate Medical courses as per CBCS:</p> <ol style="list-style-type: none"> <li>1. B.Sc. of Medical Lab Technology.</li> <li>2. B.Sc. Operation Theatre Technology (OTT)</li> <li>3. B.Sc. Radiography and Imaging Technology (RIT)</li> <li>4. B.Sc. Dialysis Therapy Technology (DTT)</li> <li>5. B.Sc. Cardiovascular Technology (CVT)</li> <li>6. Bachelor of Optometry (B.Optomety)</li> </ol> <p><b>6 (UG Board of Studies in Medical Sciences Res. No. 4 dated 30-09-2020).</b></p> <p>Syllabus of new course of B.Sc. Medical Technology Radiotherapy introduced from the Academic Session 2020-21. (3 years + six months internship).</p>
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**RESOLVED THAT THE RECOMMENDATIONS OF FACULTY OF MEDICAL SCIENCES  
BE APPROVED AS ABOVE.**

22. **Considered -**

(i) the introduction of B.Sc. Medical Radiotherapy Technology (RTT) course w.e.f the academic session 2020-21 in MM Institute of Medical Sciences & Research as per No Objection issued by the Atomic Energy Regulatory Board (AERB) **Annexure - XI, Pages: 23;**  
and

(ii) Consequently, the Principal of MMIMS&R has recommended the duration of the course with intake capacity and the eligibility conditions for the course of B.Sc. Medical Radiotherapy Technology (RTT) keeping in view the guidelines of Atomic Energy Regulatory Board (AERB), as under:

**1. Duration of the course: Three years followed by Six months Internship training.**

**2. Eligibility:-**

**(a) The candidate should attain minimum age of 17 years on or before 31<sup>st</sup> December of the admission year.**

**(b) The candidate should have passed 10+2 examination from a recognized Board of Education with Physics, Chemistry and Biology with 50% marks and pass in English & 5<sup>th</sup> optional Subject.**

**Or**

**Diploma in Radiotherapy Technology after completing 12<sup>th</sup> class/10+2 of CBSE or equivalent with minimum aggregate of 50% marks in science subjects.**

**(c) Candidates who have studied abroad and have passed the equivalent qualification as determined by the Association of Indian Universities will form the guideline to determine the eligibility and must have passed in the subjects: Physics, Chemistry, Biology/Mathematics and English as 5<sup>th</sup> subject upto 12<sup>th</sup> standard level.**

**3. Intake - 20.**

**RESOLVED THAT THE ABOVE PROPOSAL EXCEPT (C) ABOVE BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

23. **Considered** the Ordinances of the following new Agriculture Programmes as per **Annexure – XII, Pages: 24-33.**

1. B.Sc. (Hons.) Agriculture Programme (Semester System)

2. B.Sc. (Hons.) Agriculture (Integrated) Programme (Semester System)

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

24. **Considered** the action taken by the Vice-Chancellor in anticipation of the approval of Academic Council/Board of Management for the introduction of the Ph.D. Programme in the following disciplines in different Institutes/Departments of this Deemed to be University w.e.f. the academic session as indicated against each:

<b>Sr. No.</b>	<b>Name of the Department/Institute</b>	<b>Name of Ph.D. Programme with year of Introduction</b>
1.	<b>MM Engineering College</b>	Civil Engineering (2007-08)
		Mechanical Engg. (2007-08)
		Chemistry (2007-08)
		Humanities/English (2007-08)
		Physics (2007-08)
		Computer Sc. & Engg. (2007-08)
		Electronics & Communication Engg. (2007-08)
		Mathematics (2008-09)
		Information Technology (2009-10)
		Biotechnology (2010-11)
		Electrical Engineering (2010-11)
2.	<b>MM Institute of Management</b>	Management (2007-08)
3.	<b>MM Institute of Computer Technology &amp; Business Management (MCA)</b>	Computer Science & Application (2008-09)
4.	<b>MM College of Pharmacy</b>	Pharmacy (2008-09)
5.	<b>MM Institute of Computer Technology &amp; Business Management (Hotel Mgt.)</b>	Hotel Management (2017-18)
6.	<b>MM College of Dental Sciences &amp; Research</b>	Pediatrics & Preventive Dentistry (2015-16)
		Oral Maxillofacial Surgery (2015-16)
		Public Health Dentistry (2015-16)
7.	<b>MM College of Nursing</b>	Ph.D. Nursing (2011-12)

**RESOLVED THAT THE ACTION TAKEN BY THE VICE-CHANCELLOR BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

25. **Considered** the action taken by the Vice-Chancellor for revised intake as mentioned against the following courses in 2018-19, as under:-

<b>Sr. No.</b>	<b>Name of Course</b>	<b>Intake as approved by concerned body</b>	<b>Revised Intake to be fixed from 2018-19</b>
1.	<b>MM Engg. College</b>		
	B.Tech	660	540
	M.Tech	108	54
2.	<b>MM Institute of Computer Technology &amp; Business Mgt. (Hotel Mgt.)</b>		
	BHM&CT	60	40
	M.Sc. Dietetics	20	10
3.	<b>MM Institute of Medical Sciences &amp; Research</b>		
	B.Sc. Medical	290	250
	M.Sc. (Medical)	35	30
	M.Sc.	40	20

**RESOLVED THAT THE ACTION TAKEN BY THE VICE-CHANCELLOR BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

26. **Considered** the recommendations of the Faculty of Agriculture in its meeting held on 27-04-2021 (**Annexure -XIII, Pages: 34-35**), as under:-

<b>Faculty Res. No</b>	<b>BOS Res. Nos. Dated 09-04-2021</b>	<b>Contents</b>
<b>1</b>	<b>2</b>	The Scheme of Examination/Syllabi of B.Sc. (Integ.) Agriculture, for 1 <sup>st</sup> to 4 <sup>th</sup> Semester w.e.f the academic session 2021-22.
<b>1.1</b>	<b>2</b>	The Scheme of Examination/Syllabi of B.Sc. (Hons.) Agriculture for 1 <sup>st</sup> and 2 <sup>nd</sup> Semester (revised) w.e.f. 2020-21 and 3 <sup>rd</sup> to 8 <sup>th</sup> Semester w.e.f the academic session 2021-22.
<b>1.3</b>	<b>2</b>	The Scheme of Examination/Syllabi of Ph.D Agronomy Course Work w.e.f the academic session 2021-22.
<b>1.3</b>	<b>4</b>	The Scheme of Examination/Syllabi of M.Sc. Agronomy and Entomology of 1 <sup>st</sup> to 4 <sup>th</sup> Semester w.e.f the academic session 2021-22.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

27. **Considered** the recommendations of the **Faculty of Engg. & Technology** made in its meeting held on **06-07-2021** in prescribing/revising the Syllabi/Schemes of Examinations of various courses as recommended by the concerned Board of Studies, as per **Annexure -XIV, Pages: 36-50**, as under:

Department	Faculty Res. No.	Brief Contents
<b>Civil Engineering</b>  (BOS meeting held on 19.01.2021 and 22.06.2021)	16.3	16.3.1 The Minor change in scheme of 2018-2022 batch by shifting of Survey Camp (BCIV-018) from 5 <sup>th</sup> Semester to 7 <sup>th</sup> Semester in view of lockdown due to pandemic Covid-19. <b>Annexure- 16.3.1 (Page 01 to 02)</b>
		Item No. 16.3.2 to 16.3.5 stands withdrawn
		16.3.6 The list of Civil Engineering subjects on SWAYAM portal for the session April/May, 2021. <b>Annexure-16.3.6 (Page 07 to 08)</b>
		16.3.7 The codes of Value Added Subject for the Session 2020-2021 (Post Facto). <b>Annexure-16.3.7 (Page 09 to 09)</b>
		16.3.8 The Department Elective subjects and syllabus of Ph.D (Course work) for the session 2021-2022 onwards. <b>Annexure-16.3.8 (Page 10 to 14)</b>
		16.3.9 The Syllabus of Hydrology & Water Resource Engineering/Irrigation Engineering (BCIV-021) for 2018-22 Batch onwards (Post Facto). <b>Annexure-16.3.9 (Page 15 to 16)</b>
		16.3.10 Syllabi of Three additional Open Electives offered by Civil Engineering Department to all the branches of B. Tech. batch 2018-22 onwards, namely BCIV-084: Rural Technology and Community Development, BCIV-085: Infrastructure System Planning and BCIV-086: Engineering Risk - Benefit Analysis. <b>Annexure-16.3.10 (Page 17 to 19)</b>
		16.3.11 Minor changes in B. Tech. scheme of 2019-2023 batch onwards (with List of Humanities Elective I & II and List of Open Elective I to IV). <b>Annexure-16.3.11 (Page 20 to 21)</b>
		16.3.12 The Revised Syllabus of Computational Lab (MCIV-803) for M. Tech. (Civil Engineering) 1 <sup>st</sup> semester for 2020-22 Batch onwards. <b>Annexure-16.3.12 (Page 22 to 22)</b>
		16.3.13 The list of Civil Engineering subjects on SWAYAM portal for exam to be held in November/December, 2021. <b>Annexure-16.3.13 (Page 23 to 23)</b>
		16.3.14 The Syllabus of B. Tech Civil Engineering for 7 <sup>th</sup> and 8 <sup>th</sup> semester for students of Batch 2018-2022 onwards. <b>Annexure-16.3.14 (Page 24 to 52)</b>
		16.3.15 The Syllabus of B. Tech Civil Engineering taught under the Humanities Elective-I and Elective-II subjects namely Entrepreneurship Development and Management (BHUM-121), Marketing Management (BHUM-120) and Principles of Management (BHUM-005) for students of Batch 2018-2022 onwards. <b>Annexure-16.3.15 (Page 53 to 55)</b>
		16.3.16 The Syllabus of B. Tech 6 <sup>th</sup> Semester Civil Engineering for Subject BCIV-021: Hydrology & Water Resource Engineering/Irrigation Engineering for students of Batch 2019-2023 onwards. <b>Annexure-16.3.16 (Page 56 to 57)</b>
		16.3.17 The revised syllabus of M. Tech. (Civil Engineering) with changes in examination pattern as per Standard Operating Procedures for Examination Scheme for 2021-2023 batch onwards. <b>Annexure-16.3.17 (Page 58 to 127)</b>

		<p>16.3.18 The syllabus for two open elective subjects namely, Cost Management of Engineering Projects (MCIV-OE-001) and Waste to Energy (MCIV-OE-002) for M. Tech. 3rd semester (All branches) offered by Civil Engineering. <b>Annexure-16.3.18 (Page 128 to 129)</b></p> <p>16.3.19 The revised scheme for B. Tech. Civil Engineering for 3<sup>rd</sup> to 8<sup>th</sup> semester for batch 2021-2025 onwards. <b>Annexure-16.3.19 (Pages 130 to 134)</b></p>
<p><b>Electrical Engg.</b>  (BOS meeting held on 18.6.2021)</p>	16.4	<p>16.4.1 Syllabi of 7<sup>th</sup> and 8<sup>th</sup> semesters of B. Tech. Electrical Engineering for the batch 2018 onwards as per AICTE model scheme (with minor modifications). <b>Annexure-16.4.1: (Pages 1-27)</b></p> <p>16.4.2 Minor changes in the scheme of B.Tech (Electrical) – 3<sup>rd</sup> to 8<sup>th</sup> Semester (For Batch 2020-24) <b>Annexure-16.4.2 (Pages 1-7)</b></p> <p>16.4.3 Minor changes in the scheme of B.Tech (Electrical) – 3<sup>rd</sup> to 8<sup>th</sup> Semester (For Batch 2021 onwards) <b>Annexure-16.4.3 (Pages 1-7)</b></p>
<p><b>Electronics &amp; Comm. Engg.</b>  (BOS meeting held on 25.6.2021)</p>	16.5	<p>16.5.1 Syllabus of B.Tech (Electronics and Communication) – 7<sup>th</sup> &amp; 8<sup>th</sup> Semester (For Batch 2018 onwards) <b>Annexure-16.5.1 (Pages 1-25)</b></p> <p>16.5.2 Minor changes in the syllabi of M.Tech (Electronics and Communication) -1<sup>st</sup> to 3<sup>rd</sup> semester (For batch 2021 onwards). <b>Annexure-16.5.2 (Pages 1-36)</b></p> <p>16.5.3 The syllabus of Advanced Power Electronics (MECE-528) as an Elective in Elective-IV in 2<sup>nd</sup> semester M.Tech (Electronics and Communication). <b>Annexure-16.5.3 (Pages 1-1)</b></p> <p>16.5.4 The syllabus of Audit Course UHV-101 (Universal Human Values and Professional Ethics) M.Tech (Electronics and Communication) <b>Annexure-16.5.4 (Pages 1-1)</b></p> <p>16.5.5 List of Swayam and MOOC courses to be opted by students of Electronics and Communication Engg. Dept. for Batch 2018 onwards. <b>Annexure-16.5.5 (Pages 1-1)</b></p> <p>16.5.6 Minor changes in the scheme of B.Tech (Electronics and Communication) – 3<sup>rd</sup> to 8<sup>th</sup> Semester (For Batch 2020-24) <b>Annexure-16.5.6 (Pages 1-6)</b></p> <p>16.5.7 Minor changes in the scheme of B.Tech (Electronics and Communication) – 3<sup>rd</sup> to 8<sup>th</sup> Semester (For Batch 2021 onwards) <b>Annexure-16.5.7 (Pages 1-6)</b></p>
<p><b>Computer Sc. &amp; Engineering</b>  (BOS meeting held on 11.01.2021 &amp; 17.06.2021)</p>	16.6	<p>16.6.1 Following changes in the scheme of B. Tech. 7<sup>th</sup> Semester (Computer Sc. &amp; Engineering) (Batch 2018-2022 only). <b>Annexure-16.6.1 (Page 1).</b></p> <p>i) New subject BCIV-082: General Principles of Building Construction was added in the subject list of Open Elective-III.</p> <p>ii) Wireless &amp; Mobile Communication subject is replaced by subject BECE-537: Mobile Communication &amp; Networks in Open Elective-III.</p> <p>iii) Internetworking Technologies-II subject is replaced by subject Programming Languages in Elective-V.</p> <p>iv) VLSI design subject is replaced by subject BT-401: Bioinformatics in Open Elective-II.</p> <p>v) Name of subject Neural Networks &amp; Deep Learning is changed to Neural Networks in Elective-V.</p> <p>vi) Subjects Biomedical Electronics, Knowledge Management are dropped from list of Open Elective-IV.</p>



		<p>vii) Subject Measurements &amp; Instrumentation is moved from Open Elective-II to Open Elective-IV.</p> <p>viii) Allocation / updation of subject codes for some inter-disciplinary subjects Rural Technology &amp; Community Development, Embedded Systems, Internet of Things, Control Systems, Digital Signal Processing, Infrastructure System-Planning, Fiber Optic Communication, Measurements &amp; Instrumentation (as in already approved scheme, subject code for these subjects were either missing or not properly mentioned).</p> <p>ix) Subject code and subject name for project category subject under Additional (Value added) courses offered for Honors Degree / Normal Degree is updated from BCSE-508 to BCSE-VA-3 &amp; Training Seminar-I to Training Seminar-III.</p> <p>16.6.2 Syllabi for departmental subjects of B. Tech. 7<sup>th</sup> Semester (Computer Sc. &amp; Engineering) (Batch 2018 - 2022 only). <b>Annexure-16.6.2 (Pages 2-7)</b></p> <p>i) Syllabus approved for 1<sup>st</sup> time: Adhoc and Sensor Network. ii) New subject code with already approved syllabus: Statistical Modeling &amp; Queuing Theory, Blockchain Technology, Genetic Algorithm, Neural Networks, Programming Languages.</p> <p>16.6.3 Syllabi for some Inter-Disciplinary subjects of B. Tech. 7<sup>th</sup> semester (Computer Sc. &amp; Engineering) (Batch 2018 - 2022 only). <b>Annexure-16.6.3 (Pages 8-12)</b></p> <p>i) New credits allocation (3 credits instead of 4 credits) with already approved syllabus: General Principles of Building Construction, Infrastructure System-Planning, Internet of Things, Embedded Systems, Bioinformatics.</p> <p>16.6.4 Following changes in the scheme of B. Tech. 5<sup>th</sup> Semester (Computer Sc. &amp; Engineering) (Batch 2019-2023 onwards). <b>Annexure-16.6.4 (Page 13).</b></p> <p>i) Addition of new practical subject Software Engineering Lab with 1 credit. ii) Addition of new practical subject Design Patterns Lab (BCSE-570) with 2 credits. iii) Software Engineering subject consists of 3 Lectures &amp; 1 Tutorial with total credit value of 4. Since laboratory for this subject is introduced so there is no need of tutorial for this subject. So, Credits of this subject is changed from 4 to 3. iv) Mooc course / Training course allocation related instructions are updated. v) Total credits for entire semester changed from 22 to 24. vi) Total marks for entire semester changed from 900 to 1100.</p> <p>16.6.5 Syllabi for departmental subjects of B.Tech. 5<sup>th</sup> semester (Computer Sc. &amp; Engineering) (Batch 2019-2023 onwards). <b>Annexure-16.6.5 (Pages 14-19)</b></p> <p>i) New subject code with newly approved syllabus: Software Engineering Lab, Design Patterns Lab. ii) Old subject code with modified syllabus: Design and Analysis of Algorithm Lab, Computer Network Lab, Elective-I Lab. iii) New credits allocation (3 credits instead of 4 credits) with already approved syllabus: Design and Analysis of Algorithm. iv) As remaining departmental subjects already existed in the scheme of previous batches. So, no need to approve syllabi for these subjects.</p>
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		<p>16.6.6 Following changes in the scheme of B. Tech. 5<sup>th</sup> Semester (Computer Sc. &amp; Engineering with specialization in Data Science) (Batch 2019-2023 only).</p> <p style="text-align: right;"><b>Annexure-16.6.6 (Page 20).</b></p> <ul style="list-style-type: none"> <li>i) Logical Reasoning &amp; Thinking subject is replaced by new subject Advanced Excel Lab.</li> <li>ii) Addition of new practical subject Design Patterns Lab (BCSE-570) with 2 credits.</li> <li>iii) Subject codes are assigned to subjects (as in already approved scheme these codes were not mentioned).</li> <li>iv) Mooc course / Training course allocation related instructions are updated.</li> <li>v) Total credits for entire semester changed from 22 to 24.</li> <li>vi) Total marks for entire semester changed from 1000 to 1100.</li> </ul> <p>16.6.7 Syllabi for departmental subjects of B. Tech. 5<sup>th</sup> semester (Computer Sc. &amp; Engineering with specialization in Data Science) (Batch 2019-2023 only).</p> <p style="text-align: right;"><b>Annexure-16.6.7 (Pages 21-29).</b></p> <ul style="list-style-type: none"> <li>i) Syllabus approved for 1<sup>st</sup> time: Machine Learning, R Programming, Sampling Methods, Optimization Techniques, Linear Algebra, Machine Learning Lab, R Programming Lab, Advanced Excel Lab, Design Patterns Lab.</li> <li>ii) As remaining departmental subjects already existed in the scheme of previous batches. So, no need to approve syllabi for these subjects.</li> </ul> <p>16.6.8 Following changes in the scheme of B. Tech. 5<sup>th</sup> Semester (CSE with specialization in Cloud Technology &amp; Information Science) (Batch 2019-2023 only).</p> <p style="text-align: right;"><b>Annexure-16.6.8 (Page 30).</b></p> <ul style="list-style-type: none"> <li>i) Addition of new practical subject Design Patterns Lab (BCSE-570) with 2 credits.</li> <li>ii) Logical Reasoning &amp; Thinking subject is replaced by new subject Advanced Excel Lab.</li> <li>iii) Principle of Virtualization subject (with 2L + 2P) is replaced by Virtualization &amp; Scheduling (with 3L).</li> <li>iv) Cryptography &amp; Network Security Lab subject is replaced by Virtualization &amp; Scheduling Lab.</li> <li>v) List of Elective-I subjects is updated and consists of subjects- Cloud Infrastructure Deployment, Cloud &amp; Big Data, Managing Cloud instead of subjects Installation and Configuration of Servers, Secure Programming, Storage Management and Data Centre respectively.</li> <li>vi) List of Elective-I Lab subjects is updated and consists of subjects- Cloud Infrastructure Deployment Lab, Cloud &amp; Big Data Lab, Managing Cloud Lab instead of subjects Installation and Configuration of Servers Lab, Secure Programming Lab, Storage Management and Data Centre Lab respectively.</li> <li>vii) Subject codes are assigned to subjects (as in already approved scheme these codes were not mentioned).</li> <li>viii) Mooc course / Training course allocation related instructions are updated.</li> <li>ix) Total credits for entire semester changed from 22 to 24.</li> <li>x) Total marks for entire semester changed from 1000 to 1100.</li> </ul> <p>16.6.9 Syllabi for departmental subjects of B. Tech. 5<sup>th</sup> semester (CSE with specialization in Cloud Technology &amp; Information Science) (Batch 2019-2023 only).</p> <p style="text-align: right;"><b>Annexure-16.6.9 (Pages 31-37).</b></p> <ul style="list-style-type: none"> <li>i) Syllabus approved for 1<sup>st</sup> time: Virtualization &amp; Scheduling, Cloud Infrastructure Deployment, Cloud &amp; Big Data, Managing Cloud, Virtualization &amp; Scheduling Lab, Cloud Infrastructure Deployment</li> </ul>
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		<p>Lab, Cloud &amp; Big Data Lab, Managing Cloud Lab, Advanced Excel Lab, Design Patterns Lab.</p> <p>ii) As remaining departmental subjects already existed in the scheme of previous batches. So, no need to approve syllabi for these subjects.</p> <p>16.6.10 Scheme of B. Tech (Computer Sc. &amp; Engineering) (Batch 2020-2024 only) (3<sup>rd</sup> to 8<sup>th</sup> semester) &amp; Syllabi for departmental subjects of 3<sup>rd</sup> semester (Common for CSE with Data Science and CSE with Cloud Technology &amp; Information Security). <b>Annexure-16.6.10 (Pages 38-56).</b></p> <p>16.6.11 Scheme of B. Tech (Computer Sc. &amp; Engineering with Specialization in Data Science) (Batch 2020-2024 only) (3<sup>rd</sup> to 8<sup>th</sup> semester). <b>Annexure-16.6.11 (Pages 57-63).</b></p> <p>16.6.12 Scheme of B. Tech (Computer Sc. &amp; Engineering with Specialization in Cloud Technology &amp; Information Security) (Batch 2020-2024 only) (3<sup>rd</sup> to 8<sup>th</sup> semester). <b>Annexure-16.6.12 (Pages 64-70).</b></p> <p>16.6.13 Syllabi for departmental subjects of Computer Sc. &amp; Engineering department (Batch 2021-2025 Onwards) (1<sup>st</sup> &amp; 2<sup>nd</sup> semester) (Common for all Engineering streams). <b>Annexure-16.6.13 (Pages 71-76).</b></p> <p>16.6.14 Scheme of B. Tech (Computer Sc. &amp; Engineering) (Batch 2021-2025 Onwards) (3<sup>rd</sup> to 8<sup>th</sup> semester). <b>Annexure-16.6.14 (Pages 77-83).</b></p> <p>16.6.15 Scheme of B. Tech (Computer Sc. &amp; Engineering with Specialization in Data Science) (Batch 2021-2025 Onwards) (3<sup>rd</sup> to 8<sup>th</sup> semester). <b>Annexure-16.6.15 (Pages 84-90).</b></p> <p>16.6.16 Scheme of B. Tech (Computer Sc. &amp; Engineering with Specialization in Cloud Technology &amp; Information Security) (Batch 2021-2025 Onwards) (3<sup>rd</sup> to 8<sup>th</sup> semester). <b>Annexure-16.6.16 (Pages 91-97).</b></p> <p>16.6.17 List of courses which can be floated as open elective course to students of other engineering branches during session July-Nov 2021. <b>Annexure-16.6.17 (Page 98)</b></p> <p>16.6.18 Modified scheme (only 2 subject codes for Elective-VI are updated) Syllabi for departmental subjects of M.Tech. 3<sup>rd</sup> semester (Computer Sc. &amp; Engineering) (Batch 2020-2022 onwards). <b>Annexure-16.6.18 (Pages 99-114)</b></p> <p>16.6.19 Following changes in scheme of B.Tech. 6<sup>th</sup> Semester (Computer Sc. &amp; Engineering) (Batch 2018-2022 only). <b>Annexure-16.6.19 (Page 115).</b></p> <p>i) Correction in the subject name from Constitution of India to Indian Constitution.</p> <p>ii) Allocation of subject codes for some inter-disciplinary subjects Indian Constitution, Robotics (as in already approved scheme, subject code for these subjects were missing). Also subject code of Disaster Management is changed to BCIV-080.</p> <p>iii) Introduction to Human body mechanics subject was dropped from the list of open elective subjects.</p>
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	<p>16.6.20 Minor changes in the scheme of B. Tech. 4<sup>th</sup> Semester (Computer Sc. &amp; Engineering) (Batch 2019-2023 onwards). These changes involve addition of new practical subject Business Communication and Presentation Skills with 1 credit. Total credits value for entire semester changed from 21 to 22 and total marks from 900 to 1000. <b>Annexure-16.6.20 (Page 116)</b></p> <p>16.6.21 Following changes in the scheme of B. Tech. 4<sup>th</sup> Semester (CSE with specialization in Data Science) (Batch 2019-2023 onwards). <b>Annexure-16.6.21 (Page 117).</b></p> <p>i) Modification in the subject name from Business Communication and Presentation to Business Communication and Presentation Skills. Subject nature from lecture based teaching was changed to practical based teaching. Also 1 credit was assigned to this subject (in previous scheme 0 credit was approved).</p> <p>ii) Being introductory subject, there is no requirements for practical credits of subject Introduction to Data Science. So, practical hours &amp; respective credits were dropped.</p> <p>iii) Total credits value for entire semester changed from 21 to 22.</p> <p>16.6.22 Syllabi for departmental subjects of B. Tech. 4<sup>th</sup> Semester (CSE with specialization in Data Science) (Batch 2019-2023 onwards). <b>Annexure-16.6.22 (Pages 118-124)</b></p> <p>16.6.23 Following changes in scheme of B.Tech. 4<sup>th</sup> Semester (CSE with specialization in Cloud Technology &amp; Information Security) (Batch 2019-2023 onwards). <b>Annexure-16.6.23 (Page 125).</b></p> <p>i) Modification in the subject name from Business Communication and Presentation to Business Communication and Presentation Skills. Subject nature from lecture based teaching was changed to practical based teaching. Also 1 credit was assigned to this subject (in previous scheme 0 credit was approved).</p> <p>ii) Total credits value for entire semester changed from 21 to 22.</p> <p>16.6.24 Syllabi for departmental subjects of B.Tech. 4<sup>th</sup> Semester (CSE with specialization in Cloud Technology &amp; Information Security) (Batch 2019-2023 onwards). <b>Annexure-16.6.24 (Pages 126-132)</b></p> <p>16.6.25 Following changes in the scheme of B. Tech. 7<sup>th</sup> Semester (CSE with specialization in Software Development) (Batch 2017-2021 onwards) (Post facto). <b>Annexure-16.6.25 (Page 133).</b></p> <p>i) Allocation of subject codes CSD-402, CSD-403, CSD-411 to subjects Big Data &amp; Data Analytics – II, Project Management Fundamentals – II, Mobile Application Development – II respectively (as in already approved scheme, subject code for these subjects were missing).</p> <p>ii) Subject codes corresponding to subject's Elective Sequence 1-2nd course, Elective Sequence 2-2nd course were replaced by CSD-xxx, CSD-xxx respectively.</p> <p>16.6.26 Following changes in the scheme of B. Tech. 8<sup>th</sup> Semester (CSE with specialization in Software Development) (Batch 2017-2021 onwards). <b>Annexure-16.6.26 (Page 134).</b></p> <p>i) Replacement of subjects Project Success, Robotics, DevOps with subjects Cloud Computing, Advances in Operating System, Environmental Studies respectively. Also subject code corresponding to subject Mobile Application Development-III was changed to CSD-412.</p>
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		<p>16.6.27 Syllabi for new departmental subjects of B.Tech. 8<sup>th</sup> Semester (CSE with specialization in Software Development) (Batch 2017-2021 onwards). <b>Annexure-16.6.27 (Pages 135-136)</b></p> <p>16.6.28 Syllabi for departmental subjects of M.Tech. 2<sup>nd</sup> semester (Computer Sc. &amp; Engineering) (Batch 2020-2022 onwards). <b>Annexure-16.6.28 (Pages 137-149)</b></p> <p>16.6.29 SWAYAM / MOOC courses which can be opted by students (Batch 2018-2022, Batch 2019-2023 and Batch 2020-2024) under the category of Swayam courses. Also list of approved courses can be expanded (July - Nov., 2021) <b>Annexure-16.6.29 (Page 150)</b></p> <p>16.6.30 SWAYAM / MOOC courses which were opted by students (Batch 2018-2022 and Batch 2019-2023) under the category of Swayam courses. Also list of approved courses can be expanded (Jan.-May, 2021) <b>Annexure-16.6.30 (Page 151)</b></p>
<b>Biotechnology</b> <b>(BOS meeting held on 11.06.21)</b>	16.7	<p>16.7.1 To consider and approve the changes in the scheme and Syllabi of B.Tech. Biotechnology 7<sup>th</sup> and 8<sup>th</sup> semester (Batch 2018-2022 only). <b>Annexure-16.7.1 (Pages 1-13)</b></p> <p>16.7.2 To consider and approve the changes in the scheme of B.Tech. Biotechnology (Batch 2020-2024) and for the Batches 2021-2025 onwards as per the AICTE guidelines. <b>Annexure-16.7.2 (Pages 14-23)</b></p>
<b>Mechanical Engg.</b> <b>(BOS meeting held on 25.6.2021)</b>	16.8	<p>16.8.1 The revised syllabus of M.Tech. (Mechanical Engineering) with changes in examination pattern as per Standard Operating Procedures for Examination Scheme for 2021-2023 batch onwards. <b>Annexure-16.8.1 (Pages 1-100)</b></p> <p>16.8.2 To consider &amp; approve the scheme of B. Tech. 1<sup>st</sup>&amp; 2<sup>nd</sup>sem (Common to all branches) for the batch 2021-2025 onwards. <b>Annexure-16.8.2 (Pages 1-2)</b></p> <p>16.8.3 To consider &amp; approve the scheme of B. Tech. 3<sup>rd</sup> – 8<sup>th</sup>sem (Mechanical Engineering)for the batch 2021-2025 onwards <b>Annexure-16.8.3 (Pages 1-8)</b></p> <p>16.8.4 To consider &amp; approve the scheme of B. Tech. 3<sup>rd</sup> – 8<sup>th</sup>sem (Mechanical Engineering) for the batch 2020-2024. <b>Annexure-16.8.4 (Pages 1-6)</b></p>
<b>MCA/BCA</b> <b>(BOS meeting held on 30.06.21)</b>	16.9	<p>16.9.1 To consider and approve the new syllabus of BCA-2nd year (3rd Sem. &amp; 4th Sem.) under Choice Based Credit Scheme (CBCS) for the batch 2020-23 w.e.f the session 2021-22. <b>Annexure-16.9.1 (Pages 1-19)</b></p> <p>16.9.2 To consider and approve the new syllabus of MCA-2nd year (3rd Sem. &amp; 4th Sem.) under Choice Based Credit Scheme (CBCS) for the batch 2020-22 w.e.f the session 2021-22. <b>Annexure-16.9.2 (Pages 1-31)</b></p> <p>16.9.3 To consider and approve the list of MOOC subjects for BCA &amp; MCA students for the session 2021-22 (Odd Semester) under the category of Swayam Courses. <b>Annexure-16.9.3 (Pages 1)</b></p> <p>16.9.4 To consider and approve the new syllabus of BCA-3<sup>rd</sup> year (5<sup>th</sup> Sem. &amp; 6<sup>th</sup> Sem.) for the batch 2019-22 w.e.f the session 2021-22. <b>Annexure 16.9.4 (page 1-17)</b></p>
<b>Physics</b> <b>(BOS meeting held on 25/06/2021)</b>	16.10	<p>16.10.1 Revisions in the syllabus of Electrodynamics-PH 502 (M.Sc. Physics II Semester) and Physics of Nano-Materials (M.Sc. Physics IV Semester) w.e.f from Batch 2021 onwards. <b>Annexure - 16.10.1 (1-4 Pages)</b></p>

<b>Chemistry</b> <b>(BOS meeting held on 09.06.21)</b>	16.11	16.11.1 To consider and approve the scheme and syllabi of MP-05 <b>A(Inorganic)/B(Organic)/C(Physical)</b> Ph.D. course work of chemistry from 2021-22 onwards. <b>Annexure- 16.11.1 (Page No. 1-11)</b>
<b>Mathematics</b> <b>(BOS meeting held on 28.06.21)</b>	16.12	16.12.1 To approve <b>minor revision in the existing scheme</b> of M.Sc. Mathematics from 1 <sup>st</sup> to 4 <sup>th</sup> semester w.e.f. the session 2021-22 (for batch 2021-23 onwards). <b>Annexure-16.12.1 page 1-2)</b> 16.12.2 To approve <b>minor revision</b> in the existing syllabi of four papers of M.Sc. Mathematics namely MAT-108 of 1 <sup>st</sup> semester, MAT-303 of 3 <sup>rd</sup> Semester & MAT-402, MAT-403 of 4 <sup>th</sup> Semester w.e.f. the session 2021-22. <b>Annexure -16.12.2 page 3-10).</b> 16.12.3 To approve <b>scheme and syllabi</b> of B.Sc. Honour's Mathematics CBCS for <b>5<sup>th</sup> Sem.</b> [BMAT-551, BMAT-552, BMAT-553, BMAT-554, BMAT-555, and BMAT-556] and <b>6<sup>th</sup> Semester</b> [BMAT-561, BMAT-562, BMAT-563, BMAT-564, and BMAT-565, BMAT-566] w.e.f. the session 2021-22. <b>Annexure (16.12.3 page 11-30)</b> 16.12.4 To approve <b>Modification</b> in the Scheme of Ph.D. (Mathematics) course work w.e.f. session 2021-22. <b>Annexure -16.12.4 page 31-31)</b> 16.12.5 To approve the <b>modification</b> in the existing syllabi of MP-05(A) MP-05(B), MP-05(E) Ph.D. Course works in mathematics w.e.f. the session 2021-22. <b>Annexure -16.12.5 page 32-36)</b> 16.12.6 To approve the syllabi of additional optional papers MP-05(F), MP-05(G) and MP-05(H) of Ph.D. Course work w.e.f. the session 2021-22. <b>Annexure -16.12.6 page 37-42)</b>
<b>Humanities Deptt.</b> <b>(BOS meeting held on 28.06.21)</b>	16.13	16.13.1 To approve modification in the syllabi of Ph.D. Course Work of MP-05E (A), MP-05E (B) and MP-05E(C) w.e.f. the session 2021-22. <b>Annexure -16.13.1 page 1-6)</b>

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

28. **Considered** the Annual Quality Assessment Report (AQAR) of the MM (Deemed to be University) for the year 2019-20.

**RESOLVED THAT THE ANNUAL QUALITY ASSESSMENT REPORT (AQAR) OF THE MM (DEEMED TO BE UNIVERSITY) FOR THE YEAR 2019-20 BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT.**

29. To consider the recommendations of the respective Board of Studies regarding approval of topics and appointment of Supervisor(s) of the following Research Scholars of different Departments/Institutes as indicated against each:-

Sr. No.	Name of the Research Scholar	Department/ Institute	Topic	Name of Supervisor/ Co-Supervisor	Date of Approval of BOS/IEC
1.	USHA DEVI	<b>Computer Sc. &amp; Engg.</b>	Towards Improving Credit Risk Prediction using Machine Learning Approach	Dr. Neera Batra	17.06.2021
2.	VIVEK SHARMA	<b>Chemistry</b>	SYNTHESIS CHARACTERIZATION AND BIOLOGICAL EVALUATION OF NEW TRANSITION METAL COMPLEXES	Dr. Bhawna Pareek	09.06.2021
3.	SAURAV SAINI	--do--	Organic Substrate Supported Biomimetic Aquaporin Membranes: Synthesis, Characterization and Applications	Dr. Joginder Singh	09.06.2021
4.	ROHIT	--do--	GRAPHENE BASED METAL OXIDE HYBRID MEMBRANES: SYNTHESIS CHARACTERIZATION AND ITS APPLICATIONS	Dr. Joginder Singh	09.06.2021
5.	RAJAT KHAPRA	--do--	CHARACTERIZATION AND QUANTIFICATION OF DOMESTIC LAUNDRY GREY WATER IN RURAL AND URBAN HOUSEHOLDS	Dr. Nirankar Singh	09.06.2021
6	TWINKLE	--do--	ASSESSMENT OF GROUND WATER QUALITY IN RURAL AND URBAN LOCATIONS IN HISAR DISTRICT AND ITS HEALTH IMPACTS ON HUMAN SUBJECTS	Dr. Nirankar Singh	09.06.2021
7.	SAKSHI	--do--	Metal-Organic Framework-Derived Hollow Arrays as Promising Electrodes for Energy Storage and Conversion Applications	Dr. Moumita Kotal	09.06.2021
8.	PARUL KAUSHIK	--do--	SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF NITROGEN CONTAINING HETEROCYCLIC COMPOUNDS	Dr. Raman Singh	09.06.2021
9.	SONU	--do--	Metal -Organic Framework-Derived 3D Hierarchical Porous Nanostructures for Energy Storage and Visible-Light Photocatalysis Applications	Dr. Moumita Kotal	09.06.2021
10.	MASRAT MOHMAD	--do--	Spectrophotometric Methods of Trace Determination of 5d Series Transition Elements	Dr. Nivedita Agnihotri	09.06.2021

11.	PRABH SIMRANJIT SINGH	<b>Physics</b>	TRIBOLOGICAL BEHAVIOR OF MECHANICALLY WORKED SPRAY-DEPOSITED AL-Si-Pb ALLOYS	Dr. Rashmi Mittal	23.06.2021
12.	VARUN DUTT SHARMA	--do--	Green Synthesis and Photophysical Studies on Fluorescent Carbon Quantum Dots and its Applications in UV- excitable Light Emitting Diodes	Dr. Milan Kumar Bera	23.06.2021
13.	SHUBHAM	--do--	Ab-initio studies on electronic and thermodynamic properties of papain and non-essential amino acids	Dr. Anil Kumar Sharma	23.06.2021

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**



30. **Under anyother item:**

1. Dr. Anil Jain pointed out that sometimes there are grammatical/ others errors in the titles of Ph.D theses, which should be avoided after careful checking by the Supervisor.

He also stressed the need of introduction of Meteorology courses/programmes in the MM (DU). Dean, Faculty of Engineering was requested to examine the same.

2. The Prospectus and Information Broachers of the following Courses for the year 2021-22 were also approved.
  1. Prospecting – (for under Graduate/Post Graduate courses).
  2. M.Sc. Nursing.
  3. The revised intake of various courses being offered for year 2020-21 was also approved.

After deliberations on the Agenda, the Vice-Chancellor conveyed his thanks to the Hon'ble members for the contribution made by them during the course of the meeting.

Registrar  
Maharshi Markandeya Deshwar  
(Deemed to be University)  
Mullana-Ambala 133-207

**MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA-AMBALA**  
(Established under Section 3 of the UGC Act, 1956)  
(Accredited by NAAC with Grade 'A')

No. Acad./SAC/BM/F.49/ 8365  
Dated: 12-10-21

To

**All the Members of the  
Board of Management,  
Maharishi Markandeshwar  
(Deemed to be University).**

**Subject: Minutes of Meeting of the Board of Management of Maharishi Markandeshwar  
(Deemed to be University), Mullana-Ambala.**

Sir/Madam,

The meeting of the Board of Management of this MM (DU) was held on **30-09-2021 at 11:30 A.M** in the Committee Room. A copy of the **Minutes** of the meeting duly approved by the Vice-Chancellor is being sent herewith for your information. Discrepancy, if any, may kindly be intimated.

Thanking you,

Encl.: As above.

Yours faithfully,



Deputy Registrar (Acad.)  
for Registrar

# MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)

MULLANA-AMBALA, 133-207

(Established under Section 3 of the UGC Act, 1956)

(Accredited by NAAC with Grade 'A')

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**MINUTES** of the meeting of the **Board of Management** held on **30-09-2021** at **11:30 A.M** in the **Committee Room** of Administrative Block of the MM (DU).

-:-

The following were present:-

1.	<b>Dr. H.K. Sharma,</b> Vice-Chancellor	<b>(In the Chair)</b>
2.	<b>Shri Sanjeev Garg,</b> H.No. 61, Model Town, <b>Ambala City.</b>	
3.	<b>Dr. Vishal Garg,</b> H.No.45, Model Town, <b>Ambala City.</b>	
4.	<b>Dr. M.L. Ranga,</b> (former Vice-Chancellor, KUK & GJUS&T, Hisar) H. No. 841, Sector - 5, Urban Estate, <b>Kurukshetra.</b>	
5.	<b>Dr. L. C. Gupta,</b> (former Member, Distance Education Council) H.No. E - 45, University Campus, <b>Kurukshetra.</b>	
6.	<b>Dr. Anil Jain,</b> President, Vaiseshika Electronic Devices, 38, Industrial Estate, Across Tangri River Bridge, <b>Ambala Cantt</b>	
7.	<b>Dr. Jyoti Sarin,</b> Dean, Faculty of Nursing	
8.	<b>Dr. Ashok Kumar,</b> Dean, Faculty of Engineering & Technology	
9.	<b>Dr. B.K. Aggarwal,</b> Dean, Faculty of Medical Sciences	
10.	<b>Dr. Nivedita Agnihotri,</b> MM Engineering College	
11.	<b>Dr. Sumit Mittal,</b> Registrar	<b>(Secretary)</b>

1. BEFORE TAKING UP THE AGENDA OF THE MEETING, THE VICE-CHANCELLOR EXTENDED A HEARTY WELCOME TO ALL THE HON'BLE MEMBERS OF THE BOARD OF MANAGEMENT MORE ESPECIALLY TO DR. M.L. RANGA AND DR. ANIL JAIN AS ALSO THE NEW MEMBERS.

THE HON'BLE MEMBERS ALSO CONGRATULATED DR. HARISH SHARMA ON HIS TAKING OVER AS VICE-CHANCELLOR OF THE MM(DU) AND WISHED HIM FULL SUCCESS IN THIS NEW ASSIGNMENT.

2. **Considered** to confirm the Minutes of the last meeting of the Board of Management held on **16-07-2020** and resolution adopted by the Board of Management by Circulation on 15-10-2020 and on 15-09-2021.

**RESOLVED THAT THE MINUTES OF THE LAST MEETING OF THE BOARD OF MANAGEMENT HELD ON 16-07-2020 AND THE RESOLUTIONS ADOPTED BY CIRCULATION ON 15-10-2020 AND ON 15-09-2021 BE CONFIRMED AND THE FOLLOW UP ACTION TAKEN BE NOTED.**

3. Considered the Ordinance for **Bachelor of Science (Hons.) Food Science** with the specializations in (i) Food Science & Technology; and (ii) Nutrition and Dietetics applicable from the academic session 2019-20 as recommended by the Academic Council vide its Res. No.3 dated 31-08-2020, as per **Annexure -II, Pages: 3-8.**

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

4. Considered the action taken by the Vice-Chancellor under rule 10.12.2.5 (iv) in anticipation of approval of the Academic Council/Board of Management that the candidates, who have passed 1<sup>st</sup> year of UG Degree course from a recognized University, except MBBS, BDS, B.Pharm and B.Sc. (Nursing) be allowed admission to 2<sup>nd</sup> year/3<sup>rd</sup> Semester w.e.f. the academic session 2020-21 as per **Annexure -III, Pages: 9-10**. (The Academic Council has approved the above item vide its Res. No. 12 dated 31-08-2020).

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

5. Considered the Ordinances of the following programmes:-
1. Master of Computer Applications (MCA) Programme (2-year duration), w.e.f. the Academic Session 2020-21 (**Annexure - IV, Pages: 11-16**).
  2. Bachelor of Technology (B.Tech.) in Computer Science & Engg. (Software Development) Programme w.e.f. the academic session 2020-21 (**Annexure - IV, Pages: 17-20**).

The Academic Council vide its Res. No. 13 of its meeting held on 31-08-2020 has recommended the above Ordinances.

**RESOLVED THAT THE ORDINANCE OF MASTER OF COMPUTER APPLICATIONS (MCA 2-YEAR PROGRAMME) BE APPROVED.**

**RESOLVED FURTHER THAT THE ORDINANCE OF B.TECH IN COMPUTER SCIENCE & ENGINEERING (SOFTWARE DEVELOPMENT) BE ALSO APPROVED WITH THE MODIFICATION THAT FOR THE INCOMING STUDENTS THE MINIMUM PASS MARKS FOR WRITTEN & PRACTICAL PAPERS OF SEMESTER EXAMINATIONS BE MODIFIED AS 50% SUBJECT TO OBTAINING MINIMUM 20% MARKS IN EXTERNAL EXAMINATIONS OF EACH PAPER.**

6. Considered the action taken by the Vice-Chancellor under Rule 10.12.2.5(iv) of MOA in approving introduction of the following under-graduate/post-graduate courses in the Department of Agriculture under Faculty of Agriculture with intake capacity as per approval accorded by the **UGC** vide its **letter No. F-1-3/2018 (CPP-I/DU) dated 18<sup>th</sup> September 2020** (**Annexure – V, Pages: 21**) as recommended by the Academic Council vide its Res. No. 15 dated 27-08-2021, w.e.f the academic session 2020-21:

<b>Sr. No.</b>	<b>Course</b>	<b>Intake Capacity</b>
1.	B.Sc. (Hons) Agriculture	180
2.	B.Sc. (Hons) Agriculture Integrated	60
3.	M.Sc. (Agronomy)	30
4.	M.Sc. (Entomology)	30
5.	Ph.D Agronomy	As per UGC norms

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

7. Considered:

- (i) the action taken by the Vice-Chancellor in anticipation of approval of Board of Management in accepting the request of Director, MM Engg. College for reduction of intake from 18 to 6 seats in each of the following four branches of M.Tech. programme w.e.f. the academic session 2021-22:

- (i) M.Tech. Computer Science & Engg.
- (ii) M.Tech. Electronics & Communication Engg.
- (iii) M.Tech. Mechanical Engg.
- (iv) M.Tech. Civil Engg. ;

and

- (ii) in issuing the No Objection Certificate to the Director, MM Engg. College for reduction in intake for uploading the same on AICTE portal while seeking extension of approval of existing B.Tech/M.Tech. Courses for the academic session 2021-22.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

8. Considered the amendments/additions to **Clause 3.1** of the Ordinance for **Doctorate of Philosophy (Ph.D)** other than Medical, Dental and Nursing Faculties, w.e.f the academic session 2020-21 as recommended by the Academic Council vide its Res. No. 4 dated 27-08-2021, as under:-

<b>Existing</b>	<b>Proposed</b>
<p>3.1 A candidate for admission to the Ph.D programme must have obtained any of the following academic qualifications in the discipline of research or a subject allied thereto (the alliance to be decided by the Academic Council on the recommendations of the respective Board of Studies) at the Master's degree level (M.Tech/M.E., MBA, MCA, M.A, M.Sc., etc. other than M.Phil) from a recognized University:</p> <p>5.1 The University shall admit Ph.D. students through an Entrance Test conducted at the level of the University. The candidates who have already qualified M.Phil comprising course work after seeking admission through Entrance Test or have qualified UGC-CSIR NET (including JRF)/SLET/GATE or those who have been awarded Teacher Fellowship by the UGC or any other Regulating Councils for carrying on research leading to the Ph.D. Programme shall be exempted from appearing in the Entrance Test.</p>	<p>3.1 A candidate for admission to the Ph.D programme must have obtained any of the following academic qualifications in the discipline of research or a subject allied thereto (the alliance to be decided by the Academic Council on the recommendations of the respective Board of Studies) at the Master's degree level (M.Tech/M.E., MBA, MCA, M.A, M.Sc., <b>M.Sc Agriculture and LLM</b> etc. other than M.Phil) from a recognized University:</p> <p>5.1 Ph.D. students shall be admitted through an Entrance Test conducted at the level of the <b>MM (Deemed to be University)</b>. The candidates who have already qualified M.Phil comprising course work after seeking admission through Entrance Test or have qualified UGC-CSIR NET (including JRF)/SLET/GATE or those who have been awarded Teacher Fellowship by the UGC or any other Regulating Councils for carrying on research leading to the Ph.D. Programme shall be exempted from appearing in the Entrance Test.</p> <p>Note: The word "<b>University</b>" in the Ordinance) will be replaced by '<b>MM (DU)</b>'</p>

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

9. Considered the action taken by the Vice-Chancellor for revised intake as mentioned against the following courses in 2016-17, as recommended by the Academic Council vide its Res. No. 6 dated 27-08-2021:

<b>Sr. No.</b>	<b>Name of Course</b>	<b>Intake as approved by concerned body</b>	<b>Revised Intake to be fixed from 2016-17</b>
1.	<b>MM Engg. College</b>		
	B.Tech	780	540
2.	<b>MM Institute of Management</b>		
	B.Sc. Agri. Buss. & Management	120	60
3.	<b>MM Institute of Computer Technology &amp; Business Mgt. (Hotel Mgt.)</b>		
	BHM&CT	60	40
4.	<b>MM Institute of Medical Sciences &amp; Research</b>		
	B.Sc. Medical	290	250

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**



12. Considered the amendments/additions to Clause 9.1 of the common Ordinance for Doctorate of Philosophy (Ph.D) programme (Medical, Dental & Nursing) streams, as under:

<b>EXISTING</b>	<b>PROPOSED</b>
<p>9.1 There shall be a Research Advisory Committee for Ph.D Programme in each Faculty comprising the following with Dean of the concerned Faculty as Chairman of the Research Advisory Committee:</p> <ol style="list-style-type: none"> <li>(1) All the Professors of the concerned department.</li> <li>(2) One Associate Professor/Reader of the department possessing preferably the research degree of Ph.D to be associated on seniority by rotation on year to year basis.</li> <li>(3) One Assistant Professor/Lecturer of the department possessing preferably the research degree of Ph.D to be associated on seniority by rotation on year to year basis.</li> </ol> <p>The Research Supervisor(s) of the concerned scholar shall also act as Member of the Research Advisory Committee and will be coordinating the matters concerning the research scholars working under his/her supervision. This Committee shall have the following responsibilities:</p>	<p>9.1 There shall be a Research Advisory Committee, for each of the Ph.D. Programmes comprising the following with <b>Director/Principal/HOD of the concerned Institute/College/Department as Chairman of the Research Advisory Committee:</b></p> <ol style="list-style-type: none"> <li>(1) All the Professors of the concerned Institute/College/Department.</li> <li>(2) One Associate Professor/Reader of the concerned Institute/College/Department possessing preferably the research degree of Ph.D to be associated on seniority by rotation on year to year basis.</li> <li>(3) One Assistant Professor/Lecturer of these concerned Institute/College/Department possessing preferably the research degree of Ph.D to be associated on seniority by rotation on year to year basis.</li> </ol> <p>NO CHANGE</p>

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

10. Considered the action taken by the Vice-Chancellor in approving the revised intake for the following courses in 2017-18, as recommended by the Academic Council vide its Res. No. 14 dated 27-08-2021, as mentioned against:-

Sr. No.	Name of Course	Intake approved by concerned body	as Revised Intake to be fixed from 2017-18
1.	<b>MM Engg. College</b>		
	B.Tech	600	540
2.	<b>MM Institute of Management</b>		
	B.Sc. Agri. Buss. & Management	120	60
3.	<b>MM Institute of Computer Technology &amp; Business Mgt. (Hotel Mgt.)</b>		
	BHM&CT	60	40
4.	<b>MM Institute of Medical Sciences &amp; Research</b>		
	B.Sc. Medical	340	250
	M.Sc. Medical	50	30
5.	<b>MM Institute of Computer Technology &amp; Business Mgt. (MCA)</b>		
	MCA	60	30

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

11. Considered the amendments/additions in the Regulations for Constitution and Functioning of the Faculties in various disciplines of the MM (DU) by inserting a new Faculty of Agriculture and its Department of Agriculture to be made effective from the academic session 2020-21 as recommended by the Academic Council vide its Res. No. 7 dated 27-08-2021, as per **Annexure - VI, Pages: 22-23.**

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

13. Considered the action taken by the Vice-Chancellor under rules 10.12.2.5(iv) of MoA in anticipation of approval of Academic Council/Board of Management to introduce Ph.D programme in Law w.e.f. the academic session 2020-21.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

14. Considered the action taken by the Vice-Chancellor under clause 10.12.2.5(iv) of MOA of the MM (DU) in creating the Department of Agriculture under the Faculty of Agriculture.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

15. Considered the Annual Quality Assessment Report (AQAR) of the MM (Deemed to be University) for the year 2019-20, as recommended by the Academic Council vide its Res. No. 28 dated 27-08-2021.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

16. Considered:-

(i) the introduction of B.Sc. Medical Radiotherapy Technology (RTT) course w.e.f the academic session 2020-21 in MM Institute of Medical Sciences & Research as per No Objection issued by the Atomic Energy Regulatory Board (AERB) **Annexure - VIII, Pages: 25.**

and

(ii) Consequently, the Principal of MMIMS&R has recommended the duration of the course with intake capacity and the eligibility conditions for the course of B.Sc. Medical Radiotherapy Technology (RTT) keeping in view the guidelines of Atomic Energy Regulatory Board (AERB), as under:

1. Duration of the course: Three years followed by Six months Internship training.

2. Eligibility:-

(a) The candidate should attain minimum age of 17 years on or before 31<sup>st</sup> December of the admission year.

(b) The candidate should have passed 10+2 examination from a recognized Board of Education with Physics, Chemistry and Biology with 50% marks and pass in English & 5<sup>th</sup> optional Subject.

Or

Diploma in Radiotherapy Technology after completing 12<sup>th</sup> class/10+2 of CBSE or equivalent with minimum aggregate of 50% marks in science subjects.

(c) Candidates who have studied abroad and have passed the equivalent qualification as determined by the Association of Indian Universities will form the guideline to determine the eligibility and must have passed in the subjects: Physics, Chemistry, Biology/Mathematics and English as 5<sup>th</sup> subject upto 12<sup>th</sup> standard level.

3. Intake - 20.

**RESOLVED THAT THE ABOVE PROPOSAL EXCEPT(c) ABOVE AS ALREADY RECOMMENDED BY THE ACADEMIC COUNCIL VIDE ITS RES. NO.22 DATED 27-8-2021 BE APPROVED.**

17. Considered the Ordinances of the following new Agriculture Programmes as per **Annexure - IX, Pages: 26-35.**

1. B.Sc. (Hons.) Agriculture Programme (Semester System)
2. B.Sc. (Hons.) Agriculture (Integrated) Programme (Semester System)

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

18. Considered the action taken by the Vice-Chancellor in anticipation of approval of the Academic Council/Board of Management in approving the following Prospectus/Information Brochures of the Maharishi Markandeshwar (Deemed to be University) Mullana-Ambala for the session **2019-20** as recommended by the Academic Council vide its Res. No. 16 dated 27-08-2021:

- 1. Prospectus - (For Under Graduate/Post Graduate courses)**
- 2. M.Sc. Nursing.**

The Prospectus/Information Brochures will be placed on the table.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

19. Considered the action taken by the Vice-Chancellor in anticipation of approval of the Academic Council/Board of Management in approving the following Prospectus/Information Brochures of the Maharishi Markandeshwar (Deemed to be University) Mullana-Ambala for the session **2020-21**, as recommended by the Academic Council vide its Res. No. 17 dated 27-08-2021:

- 1. Prospectus - (For Under Graduate/Post Graduate courses)**
- 2. M.Sc. Nursing.**

The Prospectus/Information Brochures will be placed on the table.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

20. Considered the following guidelines received from MHRD/UGC/AICTE/INC and other Regulatory Council in view of COVID-19 Pandemic.

<b>Sr. No.</b>	<b>Brief contents of the guidelines</b>	<b>Date of Issue</b>	<b>Remarks</b>
1.	UGC Guidelines on Examinations and Academic Calendar of the Universities in view of COVID-19 Pandemic and subsequent Lockdown.	29 <sup>th</sup> April, 2020	Annexure-1
2.	Regarding examination/re-appear of students in universities and Colleges issued by the Principal Secretary to Government of Haryana, Chandigarh.	2 <sup>nd</sup> July, 2020	Annexure-2
3.	Revised Academic Calendar of AICTE 2020-21.	6 <sup>th</sup> July, 2020	Annexure-3
4.	UGC Revised Guidelines on Examination and Academic Calendar for the Universities in view of COVID-19 Pandemic.	6 <sup>th</sup> July, 2020	Annexure-4
5.	Standard Operating Procedure (SOP) for conduct of Examination issued by UGC.	8 <sup>th</sup> July, 2020	Annexure-5
6.	INC circular dated 10 July, 2020 regarding Addendum to INC Guidelines on Academics and Examination during COVID-19 pandemic.	10 <sup>th</sup> July 2020	Annexure-6
7.	Revised Academic Calendar for the Academic year 2020-21 issued by AICTE.	13 <sup>th</sup> Aug., 2020	Annexure-7
8.	UGC letter dated 31-08-2020 regarding provisional admission and submission of documents of qualifying examination upto 30-09-2020.	31 <sup>st</sup> Aug., 2020	Annexure-8
9.	Order dated 31-08-2020 regarding clarification re-appear examinations in Universities and Colleges issues by Higher Education and Technical Education Dept. Haryana.	31 <sup>st</sup> Aug., 2020	Annexure-9
10.	AICTE Circular to all Technical Institutes, Deemed to be Universities and Universities	1 <sup>st</sup> Sept., 2020	Annexure-10

	conducting Technical courses approved by AICTE.		
11.	UGC Guidelines on Academic Calendar for the First year of UG and PG students of the Universities for the session 2020-21 in view of COVID-19 Pandemic.	22 <sup>nd</sup> Sept., 2020	Annexure-11
12.	Letter dated 22-09-2020 from the Director General, Higher Education, Haryana, Panchkula regarding UGC revised Guidelines on examinations and Academic Calendar for the Universities in view of COVID-19 pandemic.	29 <sup>th</sup> Sept., 2020	Annexure-12
13.	SOP for opening of Universities and Colleges for students issued by Director General Higher Education Haryana	20 <sup>th</sup> Oct., 2020 2 <sup>nd</sup> Nov., 2020	Annexure-13
14.	Advisory for Re-opening the Medical Colleges issued by National Medical Commission.	5 <sup>th</sup> Nov., 2020	Annexure-14
15.	UGC D.O. Letter No. 14-8/2020 (CP-II) dated 5 <sup>th</sup> Nov. 2020 regarding UGC guidelines for Re-opening the Universities and Colleges Post Lockdown due to COVID-19 Pandemic.	5 <sup>th</sup> Nov. 2020	Annexure-15
16.	Extension of date for submission of thesis for terminal M.Phil/Ph.D students issued by UGC.	3 <sup>rd</sup> Dec., 2020	Annexure-16
17.	Revised Academic Calendar for the Academic year 2020-21 regarding last date for admission to Engg. courses issued by AICTE.	3 <sup>rd</sup> Dec., 2020	Annexure-17
18.	Dental Council of India Gazette of India dated 6 <sup>th</sup> Dec., 2020 regarding modification in Time Schedule for commencement of admission process for 1 <sup>st</sup> year BDS course for the academic year 2020-21 only.	10 <sup>th</sup> Dec. 2020	Annexure-18
19.	UGC guidelines in respect of refund of fee in accordance with the UGC Guidelines in Academic Calendar for the 1 <sup>st</sup> year of UG and PG students of Universities for the session 2020-21 in view of COVID-19 Pandemic.	17 <sup>th</sup> Dec. 2020	Annexure-19

20.	Indian Nursing Council regarding extension of Last date of Admission for all the Nursing programmes i.e. B.Sc. (Nursing), P.B. B.Sc. (Nursing) & M.Sc. (Nursing) from 31 <sup>st</sup> Dec., 2020 to 31 <sup>st</sup> Jan. 2021.	24 <sup>th</sup> Dec. 2020	Annexure-20
21.	Dental Council of India guidelines/advisories and SOPs in pursuance of the directions of the Govt. of India, Ministry of Health and Family Welfare, New Delhi regarding Re-opening of Dental Colleges Post Lockdown due to COVID-19 Pandemic.	30 <sup>th</sup> Dec. 2020	Annexure-21
22.	UGC Guidelines for Re-opening the Universities/Colleges Post Lockdown due to COVID-19 Pandemic.	5 <sup>th</sup> Feb., 2021	Annexure-22
23.	SOPs/Guidelines regarding social academic/spots entertainment/Cultured/religions/political functions and other Congregation issued by the State Disaster Management Authority, Haryana, Chandigarh.	06 <sup>th</sup> Feb., 2021	Annexure-23
24.	Extension of date for submission of thesis by terminal M.Phil/Ph.D students submit by UGC on 16-03-2021.	16 <sup>th</sup> March, 2021	Annexure-24
25.	SOP regarding Closing of Colleges issued by Directorate of Medical Education & Research, issuing.	26 <sup>th</sup> April, 2021	Annexure-25.
26.	AICTE instruction of Institutes/Colleges during Lockdown/ ongoing pandemic COVID – 19.	5 <sup>th</sup> May, 2021	Annexure-26
27.	Guidelines for conduct of classes/Examination/Internship of Pharm.D students/Practical Training in the prevailing situation of second wave of COVID-19 issued by Pharmacy Council of India.	6 <sup>th</sup> May, 2021	Annexure-27



28.	Academic Calendar for 2021-22 issued by AICTE.	12 <sup>th</sup> July, 2021	Annexures-28
29.	UGC Guidelines on Examination and Academic Calendar in view of the COVID-19 Pandemic - July 2021.	16 <sup>th</sup> July 2021	Annexure-29
30.	Letter dated 29-06-2021 from the Principal Secretary to Govt. of Haryana, Higher Education Department, Haryana dated 29-06-2021 regarding opening of Universities.	29 <sup>th</sup> July, 2021	Annexure-30

**RESOLVED THAT THE ABOVE PROPOSAL AS RECOMMENDED BY THE ACADEMIC COUNCIL VIDE ITS RES. NO.20 DATED 22-8-2021 BE APPROVED.**

21. Considered the action taken by the Vice-Chancellor in anticipation of the approval of Academic Council/Board of Management for the introduction of the Ph.D. Programme in the following disciplines in different Institutes/Departments of this Deemed to be University as recommended by the Academic Council vide its Res. No.24 dated 27-08-2021, w.e.f. the academic session as indicated against each:

<b>Sr. No.</b>	<b>Name of the Department/Institute</b>	<b>Name of Ph.D. Programme with year of Introduction</b>
1.	<b>MM Engineering College</b>	Civil Engineering (2007-08)
		Mechanical Engg. (2007-08)
		Chemistry (2007-08)
		Humanities/English (2007-08)
		Physics (2007-08)
		Computer Sc. & Engg. (2007-08)
		Electronics & Communication Engg. (2007-08)
		Mathematics (2008-09)
		Information Technology (2009-10)
		Biotechnology (2010-11)
		Electrical Engineering (2010-11)
2.	<b>MM Institute of Management</b>	Management (2007-08)
3.	<b>MM Institute of Computer Technology &amp; Business Management (MCA)</b>	Computer Science & Application (2008-09)

4.	<b>MM College of Pharmacy</b>	Pharmacy (2008-09)
5.	<b>MM Institute of Computer Technology &amp; Business Management (Hotel Mgt.)</b>	Hotel Management (2017-18)
6.	<b>MM College of Dental Sciences &amp; Research</b>	Pediatrics & Preventive Dentistry (2015-16)
		Oral Maxillofacial Surgery (2015-16)
		Public Health Dentistry (2015-16)
7.	<b>MM College of Nursing</b>	Nursing (2011-12)
8.	<b>Department of Law</b>	Law
9.	<b>Department of Agriculture</b>	Agronomy

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

22. Considered the action taken by the Vice-Chancellor in approving the revised intake of the following courses as mentioned against each for 2018-19 as recommended by the Academic Council vide its Res. No. 25 dated 27-08-2021:

<b>Sr. No.</b>	<b>Name of Course</b>	<b>Intake as approved by concerned body</b>	<b>Revised Intake to be fixed from 2018-19</b>
1.	<b>MM Engg. College</b>		
	B.Tech	660	540
	M.Tech	108	54
2.	<b>MM Institute of Computer Technology &amp; Business Mgt. (Hotel Mgt.)</b>		
	BHM&CT	60	40
	M.Sc. Dietetics	20	10
3.	<b>MM Institute of Medical Sciences &amp; Research</b>		
	B.Sc. Medical	290	250
	M.Sc. (Medical)	35	30
	M.Sc.	40	20

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

23. Considered the revised intake of various courses being offered by this Deemed to be University for the academic session 2020-21, as recommended by the Academic Council vide its Res. No. 30 dated 27-08-2021, as per **Annexure - X, Pages : 36-39.**

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED WITH THE MODIFICATION THAT THE REVISED INTAKE FOR M.TECH. AS AT SR. NO. 1 OF THE ANNEXURE BE READ AS UNDER:-**

<b><u>NAME OF COURSES/PROGRAMMES</u></b>	<b><u>REVISED INTAKE</u></b>
<b>M.TECH. (COMPUTER SC. &amp; ENGG.)</b>	<b>06</b>
<b>M.TECH. (ELECTRONICS &amp; COMM. ENGG.)</b>	<b>06</b>
<b>M.TECH. (MECHANICAL ENGG.)</b>	<b>06</b>
<b>M.TECH. (CIVIL ENGG. &amp; STRUCTURAL ENGG.)</b>	<b>06</b>

24. Considered the reply submitted by Dr. (Ms.) Rajeshree Khare, Ex-Professor and Dr. Vinod Kumar, Ex-Associate Professor, Department of Chemistry, MM Engineering College, Mullana (**Annexure - XI (A), Pages: 40-50**) to the show Cause Notice served on them vide letter No. MM/PF/Admn/20/1396-98 dated 31-8-2020 (**Annexure - XI (B), Pages: 51-60**) in pursuance of Res. No. 12 dated 16-7-2020 on account of misappropriation of funds and grave financial irregularity committed by them; and to decide with regard to the action to be taken against them.

**RESOLVED THAT SINCE THE REPLIES TO THE SHOW CAUSE NOTICES SUBMITTED BY DR. RAJSHREE KHARE, EX-PROFESSOR AND DR. VINOD KUMAR, EX-ASSOCIATE PROFESSOR, DEPARTMENT OF CHEMISTRY, MM ENGINEERING COLLEGE, ARE QUITE UNSATISFACTORY, BOTH OF THEM BE DISMISSED FROM THE SERVICES OF THIS DEEMED TO BE UNIVERSITY W.E.F. THEIR LAST WORKING DAY AT THE MM(DU).**

25. Considered the following recommendations of the Finance Committee made in its meeting held on 30<sup>th</sup> March, 2021 as per **Annexure - XII, Pages: 65-67.**

<b>FC Res. No.</b>	<b>Brief Particular</b>
3	Annual Audited Accounts of the Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala and its constituent Institutes for the year 2019-20.
4	Budget Estimates of the Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala and its constituent Institutes for the Financial year 2021-22.
5	Appointment of M/S Rajiv Goel and Associates Ambala as Auditors of the Deemed to be University for a further period of three years from 2020-21 to 2022-23 for auditing the Accounts of the Maharishi Markandeshwar (Deemed to be University), Mullana and its constituent institutes.

**RESOLVED THAT THE RECOMMENDATIONS OF THE FINANCE COMMITTEE BE APPROVED AS ABOVE.**

26. Considered the action taken by the Vice-Chancellor in anticipation of approval of the Board of Management in approving the following Prospectus/Information Brochures of the Maharishi Markandeshwar (Deemed to be University) Mullana-Ambala for the session **2021-22**, as recommended by the Academic Council vide its Res. No. 30 dated 27-08-2021:

- 1. Prospectus - (For Under Graduate/Post Graduate courses)**
- 2. M.Sc. Nursing**

The Prospectus/Information Brochures will be placed on the table.

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

27. Considered and approve the E-Governance Report of Maharishi Markandeshwar (Deemed to be University) for the year 2020-21 as at **Annexure - XIII, Pages: 68-70.**

**RESOLVED THAT THE ABOVE PROPOSAL BE APPROVED.**

28. UNDER ANY OTHER ITEM IT WAS DECIDED THAT IN MEDICAL FACULTY ALL THE PROFESSORS AND ASSOCIATE PROFESSORS TEACHING THE POST GRADUATE CLASSES IN MEDICAL COLLEGE WOULD BE ELIGIBLE TO GUIDE THE RESEARCH STUDENTS OF PH.D. IN THEIR RESPECTIVE DISCIPLINES.

After deliberations on the Agenda, the Vice-Chancellor conveyed his thanks to the Hon'ble Members for the contribution made by them during the course of meeting.

  
**REGISTRAR**  
*for*

**MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)**

**MULLANA-AMBALA, 133207**

(Established under Section 3 of the UGC Act, 1956)

(Accredited by NAAC with Grade 'A')

No. Acad./SAC./P&BM/F.4/5260

Dated: 14-07-2020

To

**All the Members of  
Planning & Monitoring Board,  
Maharishi Markandeshwar (DU),  
(Deemed to be University)**

**Subject: Minutes of Planning & Monitoring Board of Maharishi Markandeshwar  
(Deemed to be University).**

Sir/Madam,

The meeting of the Planning & Monitoring Board of Maharishi Markandeshwar (Deemed to be University) was held on 08-07-2020 at 11:30 A.M. (Wednesday) in the Committee Room. A copy of the Minutes of the said meeting duly approved by the Vice-Chancellor is being sent herewith for your information. Discrepancy, if any, may kindly be intimated.

Thanking you,

Yours faithfully,



Deputy Registrar (Acad.)  
for Registrar

AC

DA.: As above.

**MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)**

**MULLANA – AMBALA, 133207**

(Established under Section 3 of the UGC Act, 1956)

(Accredited by NAAC with Grade ‘A’)

**MINUTES** of the meeting of the **Planning & Monitoring Board**, Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala held on **08-07-2020 at 11:30 A.M** in the Committee Room of Administrative Block of this MM (DU).

--:

The following members were present:-

1. **Dr. H.K. Sharma** ... ( In the Chair)  
Pro-Vice-Chancellor
2. **Dr. M.L. Ranga,**  
(former Vice-Chancellor, KUK and GJUST, Hisar)  
H. No. 841, Sector - 5, Urban Estate,  
**Kurukshetra.**
3. **Dr. L.C. Gupta**  
(former member, Distance Education Council)  
H.No. E-45, KU campus,  
**Kurukshetra.**
4. **Dr. Anil Jain,**  
President,  
Vaiseshika Electron Devices,  
38, Industrial Estate,  
(Across Tangri River Bridge),  
**Ambala Cantt.**
5. **Dr. B.K. Aggarwal,**  
Dean, Faculty of Medical Sciences
6. **Dr. Debdutta Das,**  
Dean, Faculty of Dental Sciences
7. **Dr. Sumeet Gupta,**  
Dean, Faculty of Pharmaceutical Sciences
8. **Dr. (Ms) Jyoti Sarin,**  
Dean, Faculty of Nursing
9. **Dr. Ashok Kumar,**  
Dean, Faculty of Engg. & Tech.

10. **Dr. (Ms.) Bindu Jindal**  
Dean, Faculty of Law
11. **Dr. Amit Mittal** (Special Invitee)  
Vice Principal,  
MMIMS&R
12. **Dr. N.K. Batra,** (Special Invitee)  
Dean Academic Affairs (Technical)
13. **Dr. Sumit Mittal,**  
Registrar

**1. THE PRO-VICE-CHANCELLOR ON BEHALF OF THE MM (DU) AND ON HIS OWN BEHALF WELCOMED ALL THE MEMBERS OF THE PLANNING & MONITORING BOARD AND REQUESTED THEM FOR CONSTRUCTIVE DELIBERATIONS IN THE MEETING.**

**2. Considered to confirm the Minutes of the last meeting of Planning & Monitoring Board of Maharishi Markandeshwar (Deemed to be University) held on 22-02-2019.**

**RESOLVED THAT THE MINUTES OF THE LAST MEETING OF THE PLANNING AND MONITORING BOARD HELD ON 22-02-2019 BE CONFIRMED.**



3. **Considered** to assess the outcome of the Strategic Plan 2020, as per Annexure – **I**, Pages: **01-13**.

**RESOLVED THAT THE MATTER OF THE ASSESSMENT OF OUTCOME OF THE STRATEGIC PLAN OF MM (DU) 2020 BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT FOR CONSIDERATION.**

4. **Considered** the Strategic Plan 2025 of the Deemed to be University as per Annexure - **II**, Pages: **14-21**.

**RESOLVED THAT THE MATTER OF STRATEGIC PLAN OF THE MM (DU) 2025 BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT FOR CONSIDERATION WITH THE MODIFICATION OF THE FOLLOWING SUGGESTIONS APPROPRIATELY IN THE DRAFT STRATEGIC PLAN:**

- 1. THE MM (DU) SHOULD ALSO FOCUS ON PUBLICATIONS OF SUCH BOOKS/BOOK CHAPTERS WHICH ARE RESEARCH BASED/ORIGINAL TEXT BOOKS.**
- 2. THE MM (DU) SHOULD PLAN TO ESTABLISH THE SCIENCE OF TECHNOLOGY ENTREPRENEURS PARK (STEP) UNDER NATIONAL SCIENCE & TECHNOLOGY ENTREPRENEURSHIP DEVELOPMENT, DEPARTMENT OF SCIENCE & TECHNOLOGY (DST) IN WHICH REGARD DR. ANIL JAIN OFFERED TO BE THE MENTOR OF THIS PROJECT.**
- 3. THE MM (DU) SHOULD HAVE ABOUT 5% VISITING FACULTY FROM RENOWNED INSTITUTIONS FROM INDIA LIKE IITS, IIMS, IISERS, AIIMS ETC. AND REPUTED FOREIGN UNIVERSITIES.**

4. THE MM (DU) SHOULD EXPLORE THE FEASIBILITIES OF PROMOTING MEDICAL TOURISM USING THE FACILITIES AVAILABLE IN ITS INSTITUTIONS OF MEDICAL STREAM.
5. THE MM (DU) SHOULD PLAN TO UNDERTAKE TO PROVIDE FIRST AID TRAINING TO THE SCHOOL TEACHERS.
6. THE CONSTITUENT INSTITUTES OF THE MM (DU) SHOULD ESTABLISH SOME STUDENTS/FACULTY CHAPTERS OF PROFESSIONAL BODIES IN THEIR RESPECTIVE AREAS.

After deliberations on the agenda, the Pro-Vice-Chancellor conveyed his thanks to the Hon'ble Members for their active participation during the course of the meeting.

  
REGISTRAR

**MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)  
MULLANA-AMBALA, HARYANA (INDIA) - 133-207**

(Established under Section 3 of the UGC Act, 1956)  
(Accredited By NAAC with Grade 'A')

**MINUTES** of the meeting of the **FINANCE COMMITTEE** of the **Maharishi Markandeshwar (Deemed to be University)**, Mullana-Ambala held on **31<sup>st</sup> March 2021** at **11:30 AM** in the Committee Room of the Administrative Block.

The following were present:

- |   |                                  |
|---|----------------------------------|
| <b>1. Vice- Chancellor</b>  | Chairman<br>(ex-officio)         |
| <b>2. Shri Sanjeev Garg,</b><br>61, Model Town,<br><b>Ambala City</b>             | Member                           |
| <b>3. Dr. Vishal Garg,</b><br>45, Model Town,<br><b>Ambala City</b>               | Member                           |
| <b>4. Dr. L.C. Gupta</b><br>House No. E-45,<br>K.U. Campus,<br><b>Kurukshetra</b> | Member                           |
| <b>5. Finance Officer</b>   | Member Secretary<br>(Ex-officio) |

The following deliberations were made:

1. **BEFORE THE START OF THE MEETING, THE VICE-CHANCELLOR EXTENDED A HEARTY WELCOME TO ALL THE MEMBERS AND REQUESTED THEM FOR CONSTRUCTIVE DELIBERATIONS AT THE MEETING IN THE INTEREST OF GROWTH AND SMOOTH RUNNING OF THE MM(DEEMED TO BE UNIVERSITY)**

2. Considered to confirm the minutes of the last meeting of the Finance Committee held on **20<sup>th</sup> March 2020** as at **Annexure-I'**

**RESOLVED THAT THE MINUTES OF THE LAST MEETING OF THE FINANCE COMMITTEE HELD ON 20<sup>th</sup> March 2020 BE CONFIRMED.**

3. Considered to approve the Annual Audited Accounts of the M.M.(Deemed to be University), Mullana-Ambala and its constituent Institutes for the year 2019-20 as per **Annexure-II''**.

**RESOLVED THAT THE ANNUAL AUDITED ACCOUNTS OF THE MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA AND ITS CONSTITUENT INSTITUTES FOR THE FINANCIAL YEAR 2019-20 BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT FOR ITS CONSIDERATION AND APPROVAL.**

4. Considered the **Budget Estimates** of the Maharishi Markandeshwar (Deemed to be University), Mullana and its constituent Institutes for the **Financial Year 2021-22** as per **Annexure-III'**.

**RESOLVED THAT THE BUDGET ESTIMATES OF THE MAHARISHI MARKANDESHWAR (DEEMED TO BE UNVERSITY), MULLANA-AMBALA AND ITS CONSTITUENT INSTITUTES FOR THE FINANCIAL YEAR 2021-22 BE APPROVED AS ABOVE AND RECOMMENDED TO THE BOARD OF MANAGEMENT FOR ITS CONSIDERATION AND APPROVAL.**

5. Considered that the appointment of Auditors for auditing the Accounts of the M.M. (Deemed to be University) Mullana and its constituent Institutes for a period of three years from the Financial Year 2020-21 to 2022-23

**RESOLVED THAT THE NAME OF M/S RAJIV GOEL AND ASSOCIATES AMBALA BE APPROVED AND RECOMMENDED TO THE BOARD OF MANAGEMENT FOR ITS CONSIDERATION AND APPROVAL FOR APPOINTMENT OF M/S RAJIV GOEL AND ASSOCIATES AMBALA AS AUDITORS OF THIS DEEMED TO BE UNIVERSITY FOR A FURTHER PERIOD OF THREE YEARS FROM 2020-21 TO 2022-23 FOR AUDITING THE ACCOUNTS OF THE M.M. (DEEMED TO BE UNIVERSITY) MULLANA AND ITS CONSTITUENT INSTITUTES.**

The meeting ended with a vote of thanks to the Chair.

  
**FINANCE OFFICER**